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U.S.S. INDEPENDENCE (CVL22)

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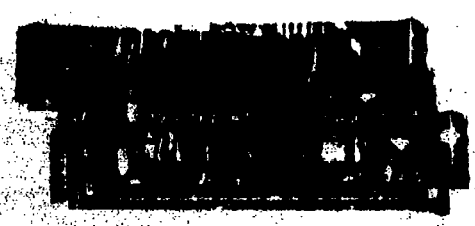
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⑥ OPERATION CROSSROADS,
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E. X. Forest,
Captain, U.S.N.

NOTE: This volume contains
pages 509 to 766 inclusive.

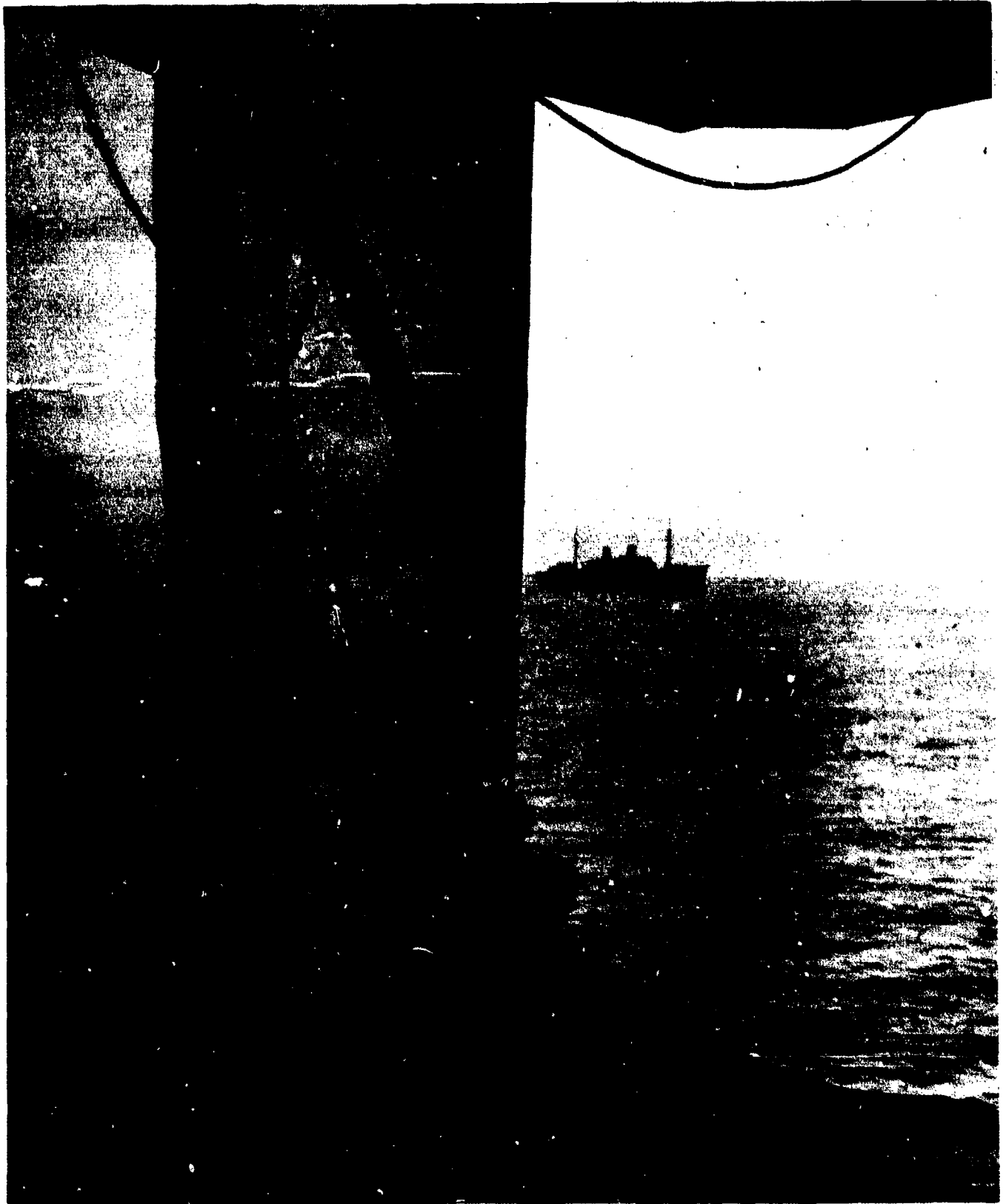
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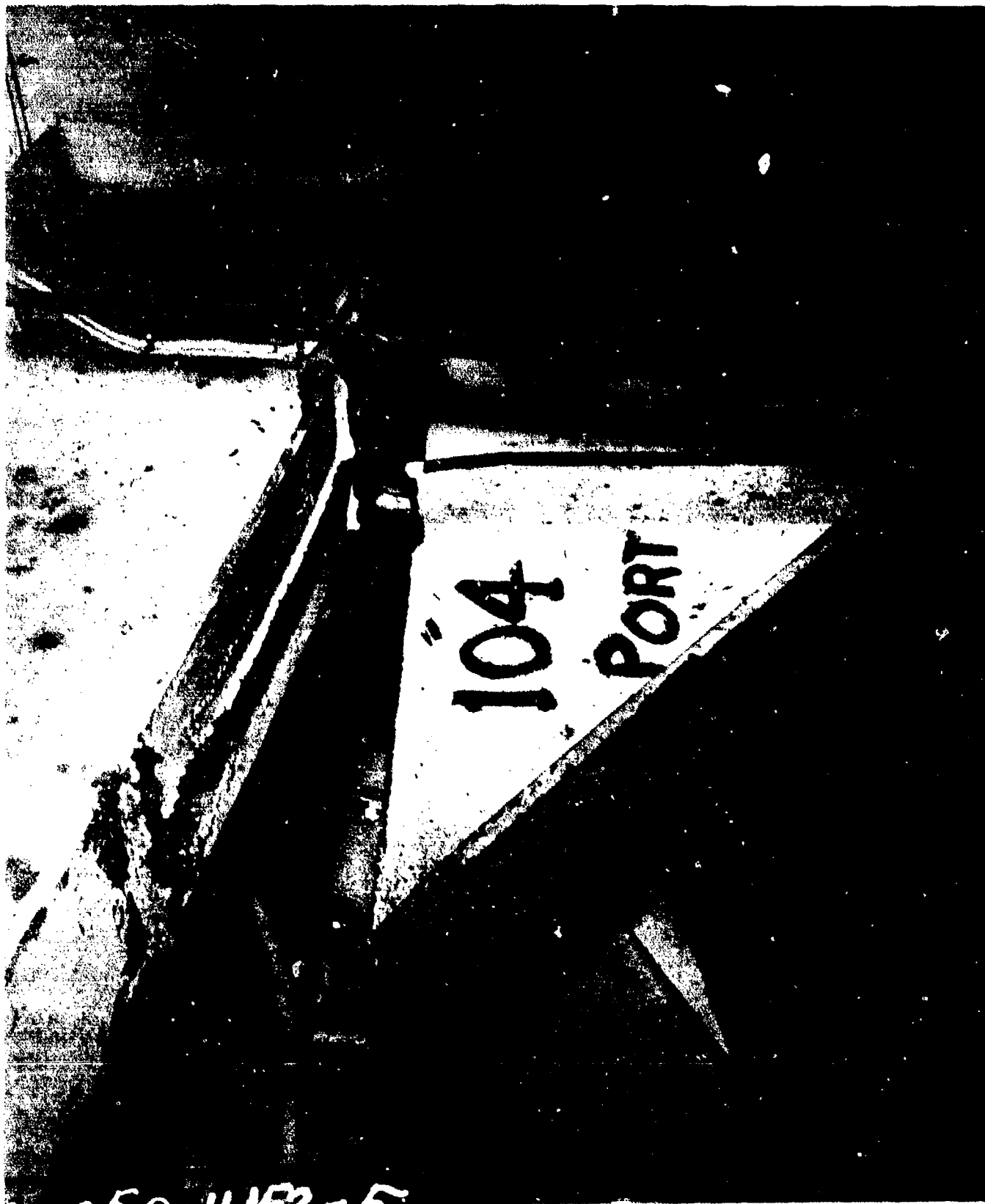


AA-CR-80-170-7. After Baker. Flight deck Bent 104, port bottom, looking aft.

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AA-CR-59-4152-5. Flight deck Bent 104, port side overhead connection, showing failure of weld along upper edge of bracket and column. Looking aft.

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AA-CR-100-165-2. Flight deck Bent 104, port side overhead connection showing failure along weld at upper edge of bracket and inferior weld at end of bracket flange. Looking forward.

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AA-CR-175-2118-8. Flight deck Bents 101, 104 and 107, showing deformation and failure of Bent 104 at centerline butt weld. Looking forward.

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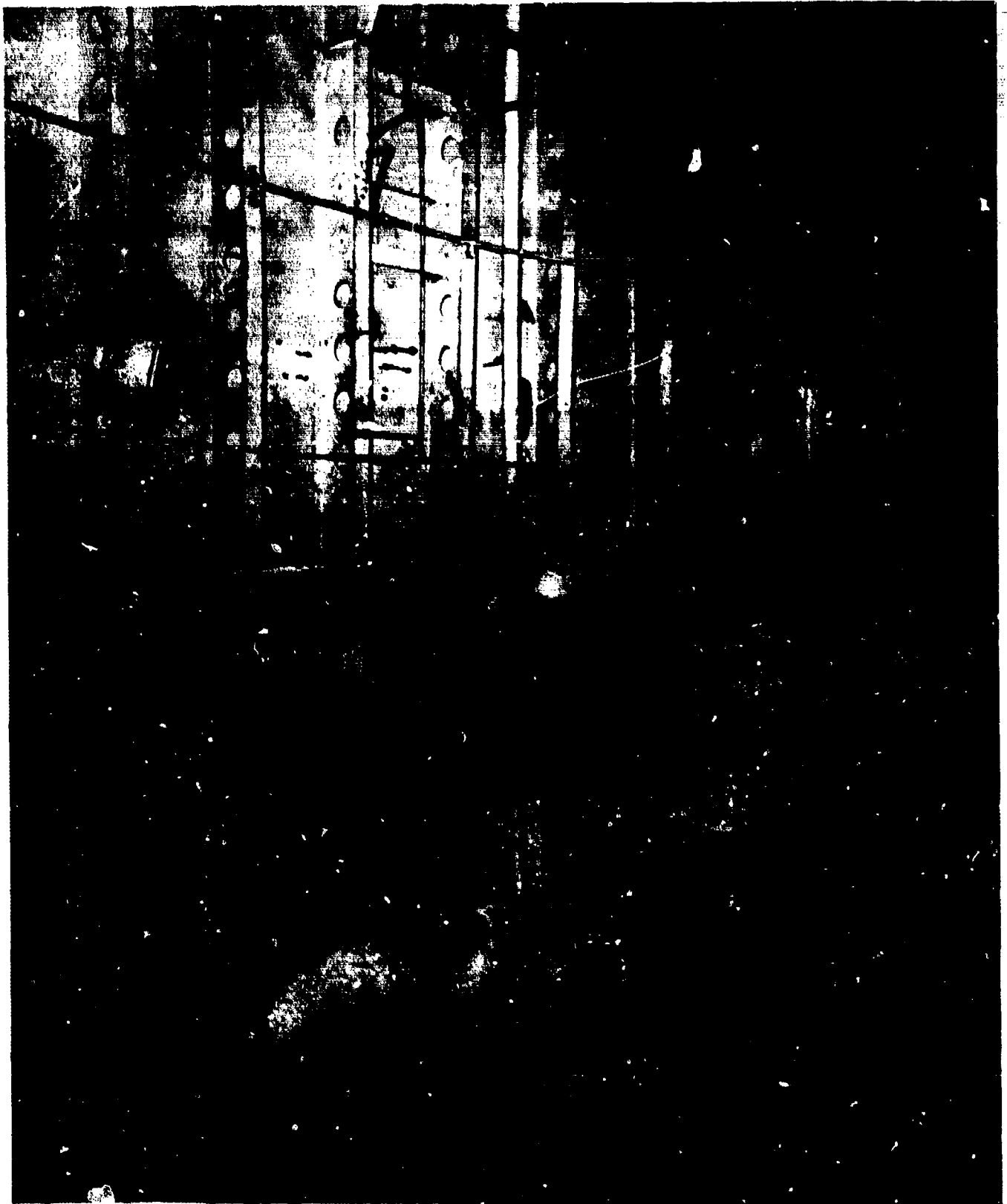
AA-CR-175-2118-8. Flight deck Bents 101, 104 and 107, showing deformation and failure of Bent 104 at centerline butt weld. Looking forward.

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AA-CR-59-4151-6. Flight deck girder 104, looking up and to starboard.

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AA-CR-100-4161-10. Underside of flight deck, looking to port, showing deformation of bent girders 104 at centerline.

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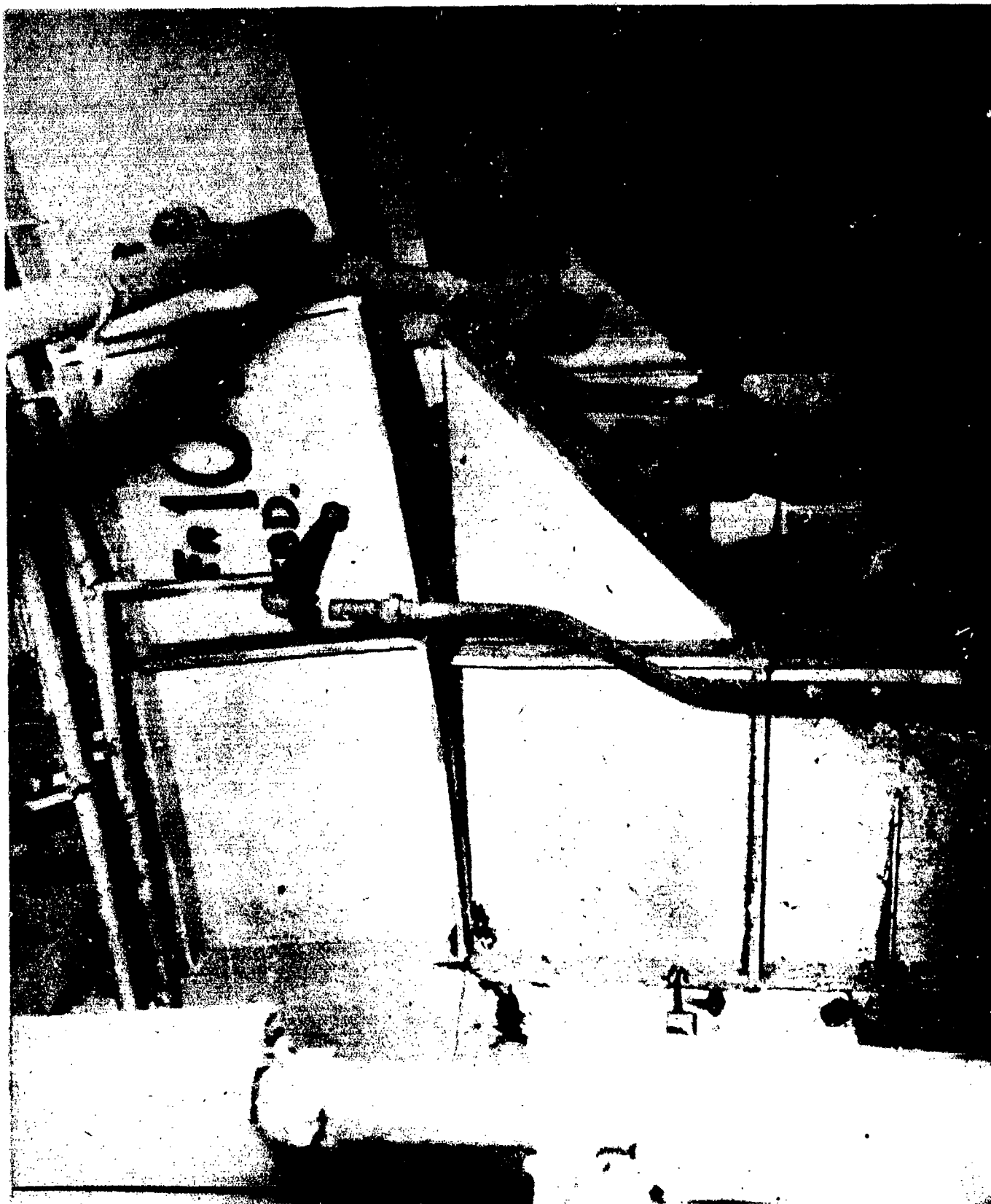
AA-CR-59-4152-1. Flight deck Bent 104, showing failure in butt weld in lower flange of Bent at centerline. Looking aft.

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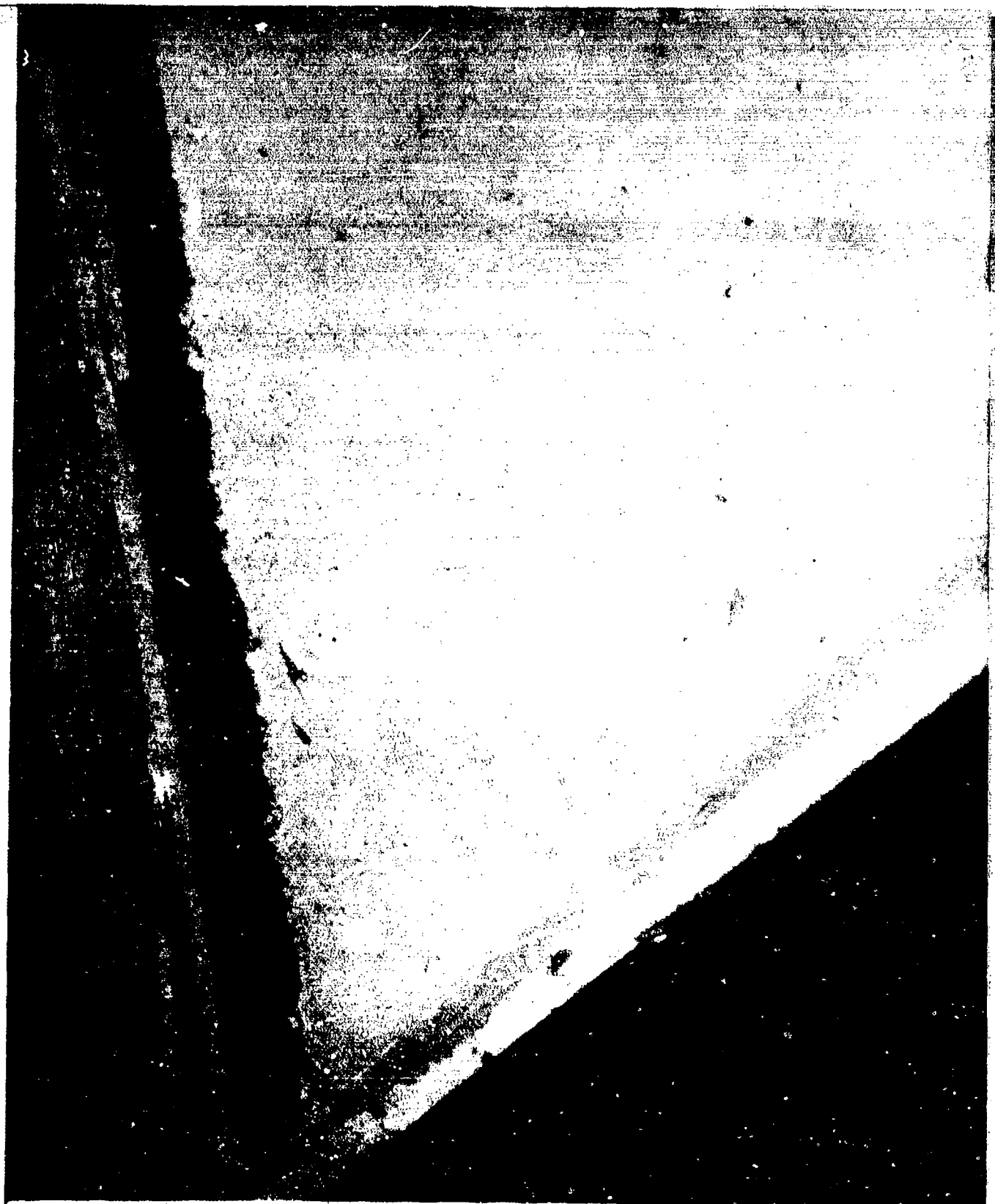
AA-CR-59-4149-11. Flight deck Bent 104, starboard overhead, connection showing failure of welded joint. Looking aft.

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AA-CR-100-165-9. Flight deck Bent 104; starboard overhead connection, showing weld fracture along upper edge of bracket. Looking forward.

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AA-CR-80-170-8. After Baker. Flight deck Bent 104, starboard bottom, looking aft.

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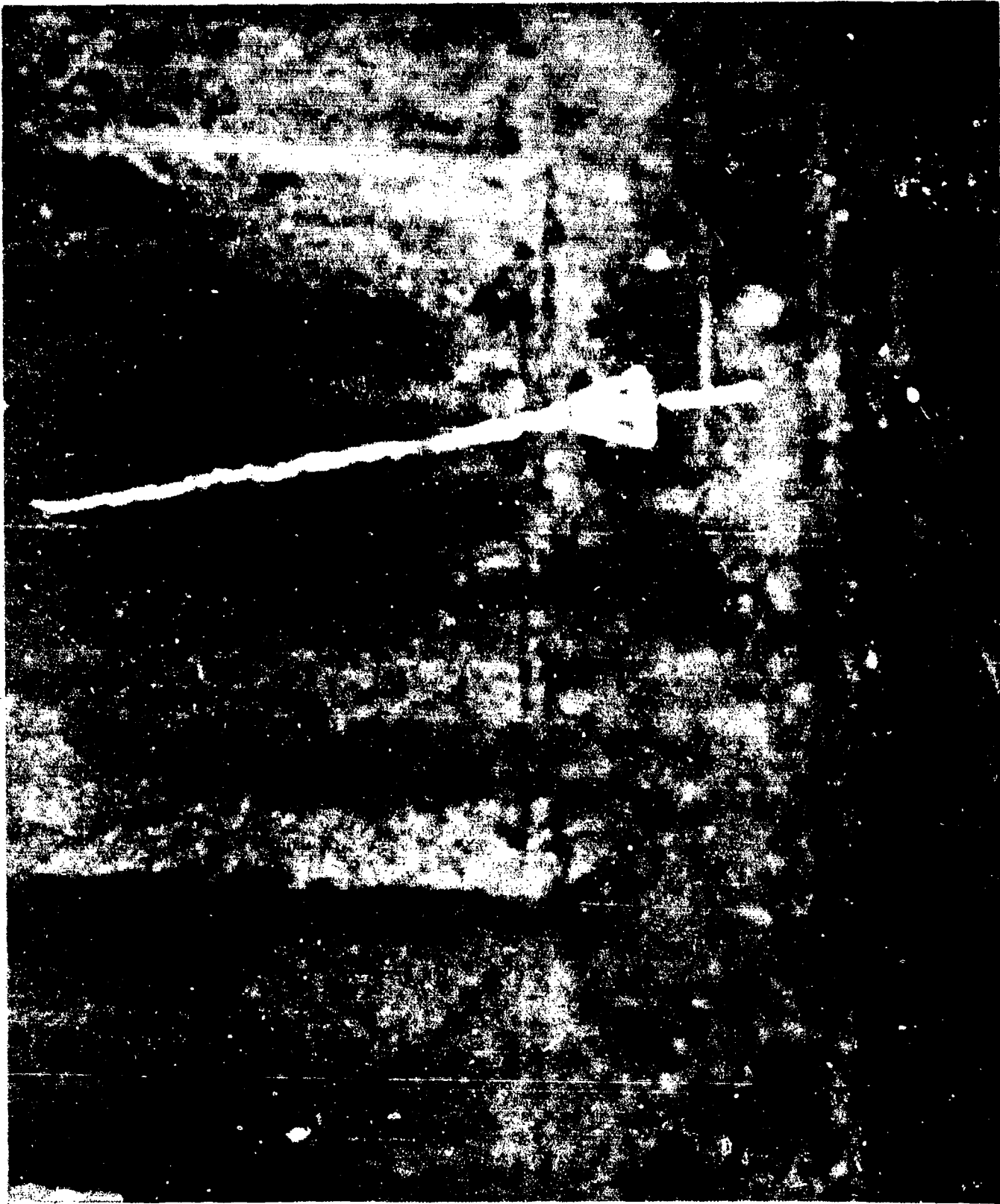


AA-CR-59-2113-11. Flight deck Bents 104 and 107, port side overhead connections, showing failure of welds along upper edge of brackets. Looking aft.

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AA-CR-100-4161-3. Flight deck Bent 107. Weld failure at port side connection of Bent to S.T.S. shear strake. Looking inboard to starboard.

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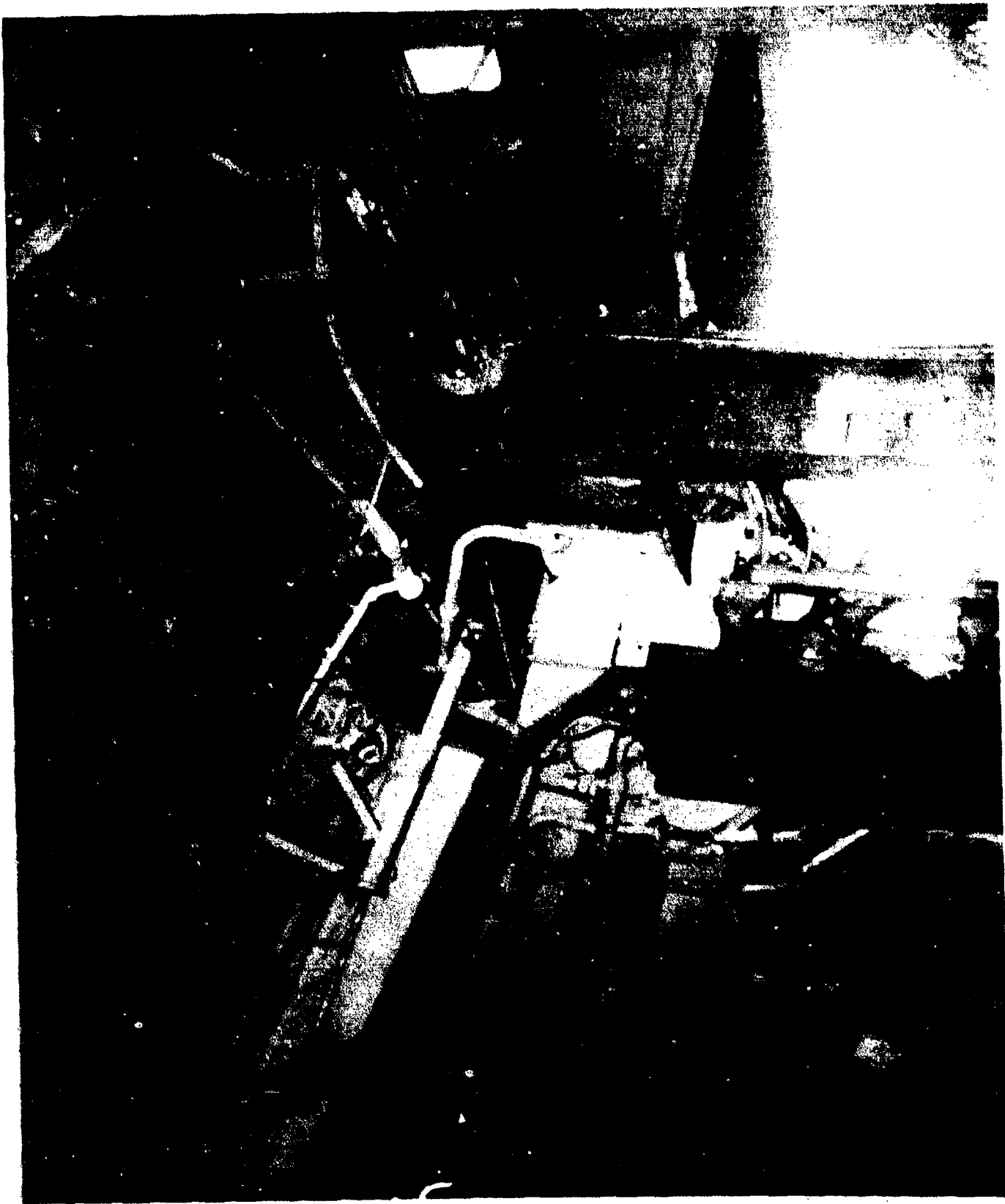
AB-CR-80-170-9. After Baker. Flight deck Bent 107, port bottom, looking forward.

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AA-CR-59-2113-5. General view of underside of flight deck looking forward along starboard side.

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AA-CR-59-4152-4. Flight deck Bent 107, port overhead connection, showing failure of weld along upper edge of bracket. Looking aft.

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AA-CR-59-4152-3. Flight deck bent 107 (not 108). Upper port corner, looking aft.

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AA-CR-59-4151-12. Flight deck bent girders 107 and 104, looking forward and up. Centerline of ship is just to left of deep buckle in 104.

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AA-CR-100-4161-11. Flight deck Bent 107, showing distortion near centerline. Looking to port.

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AA-CR-59-4152-2. Flight deck bent girder 107, looking aft, showing buckle to starboard of centerline.

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AA-CR-59-4151-7. Flight deck bent girder 107, looking up and to starboard.

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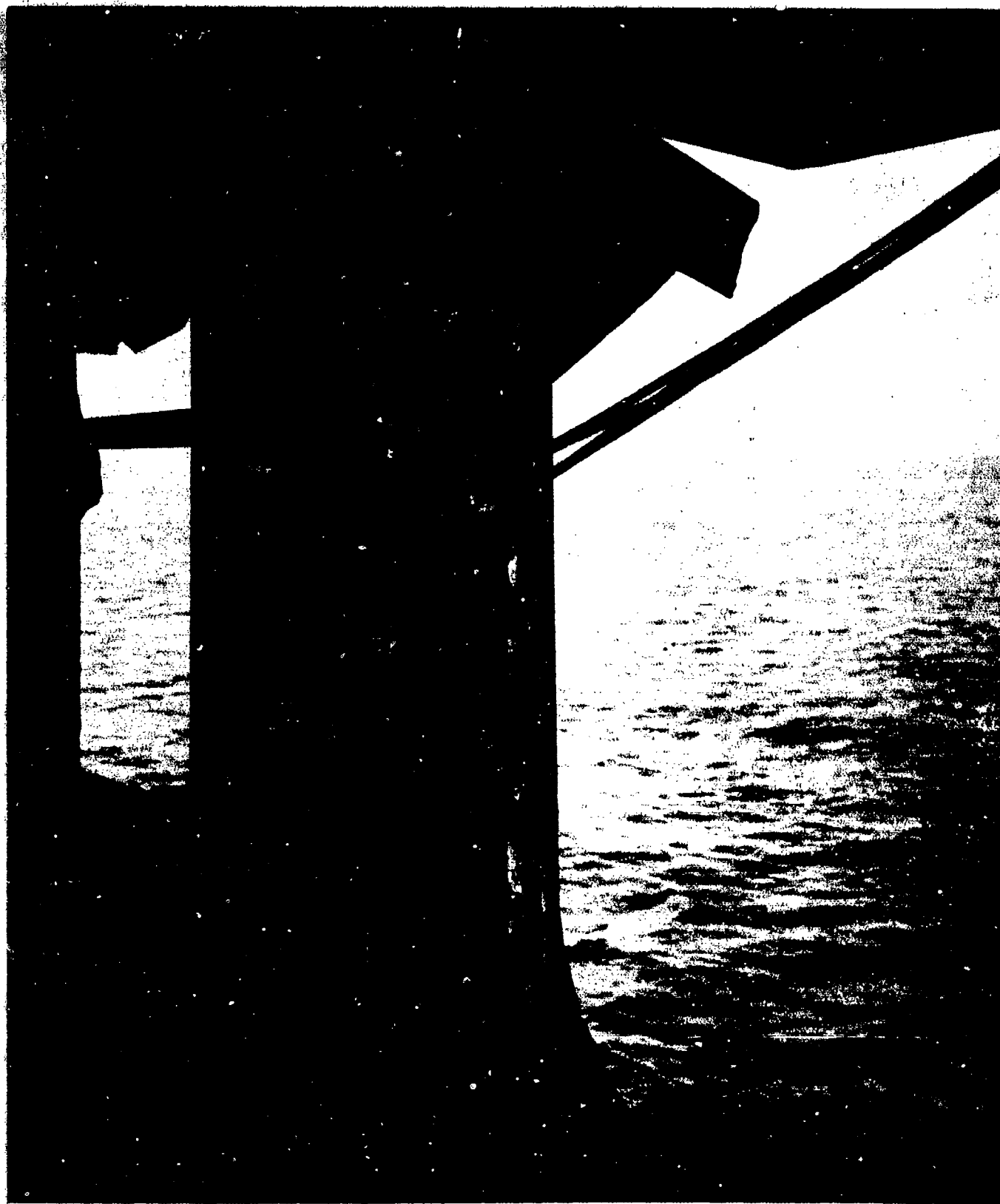
AA-CR-59-4150-4. Flight deck Bent 107, starboard overhead connection showing failure of weld at upper edge of bracket. Looking aft.

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AA-CR-80-170-10. After Baker. Flight deck Bent 107, starboard bottom, looking forward.

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AA-CR-65-958-1. Flight deck Wobble Bent 110, showing failure of port - side riveted connection to hangar deck. Looking forward.

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AA-CR-175-2131-9. Bent 110, port side, looking outboard from center-line.

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AA-CR-59-4151-10. Flight deck Wobble Bent 110, port side, showing deformation and failure of riveted deck connection. Looking forward.

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AB-CR-80-170-11. After Baker - Flight deck Bent 110, port top, looking forward.

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AA-CR-100-4161-12. Underside of flight deck showing distortion of Bent girder 110. Looking up and to port. Note opening of expansion joint at frame 111 1/2.

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AA-CR-59-4151-9. Flight deck bent girders 104, 107 and 110, showing failures near centerline. Looking forward and to starboard.

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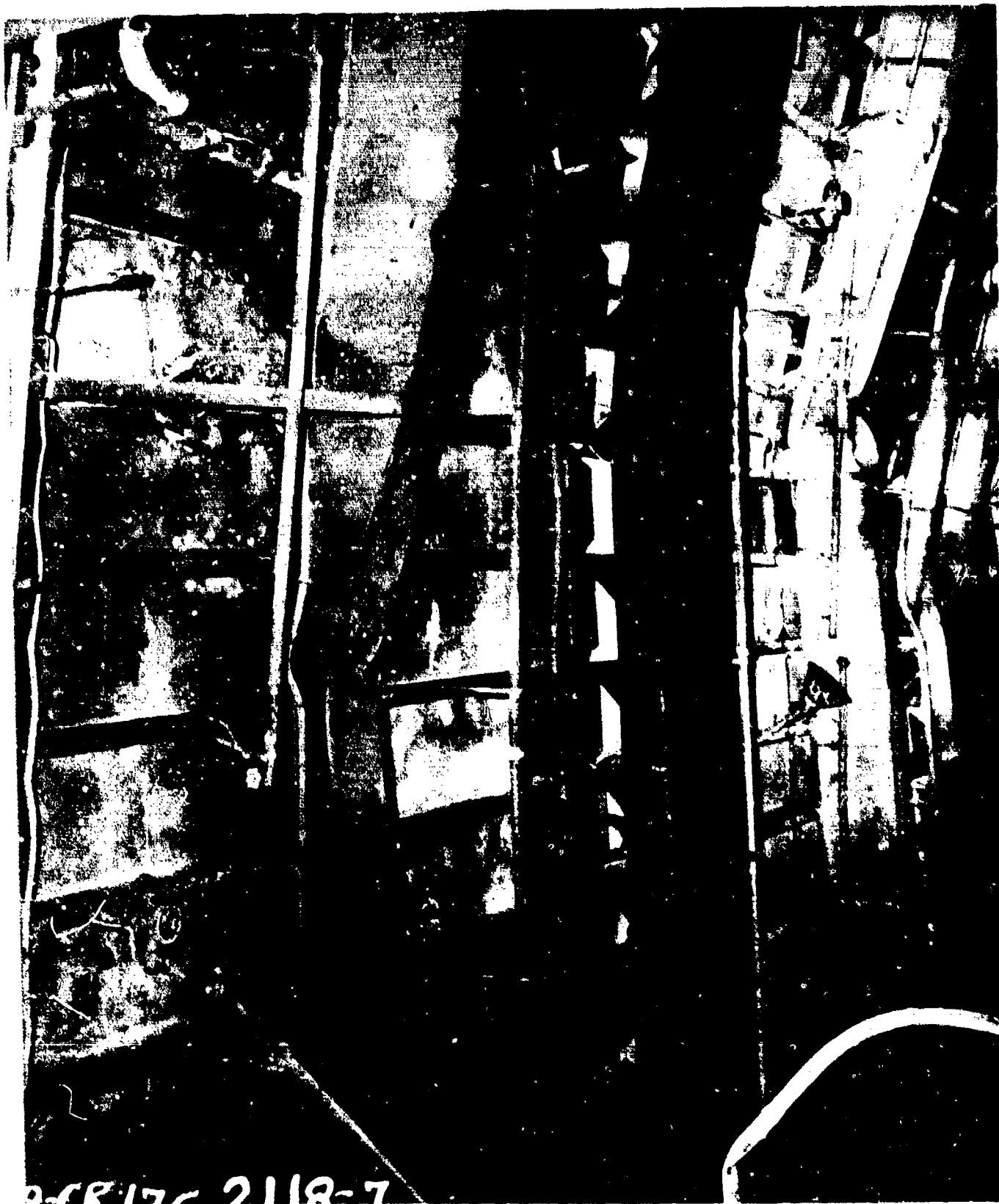
AA-CR-59-4151-8. Underside of flight deck showing distortion of Bent girder 110. Looking up and to starboard. Note opening of expansion joint at frame 111 1/2.

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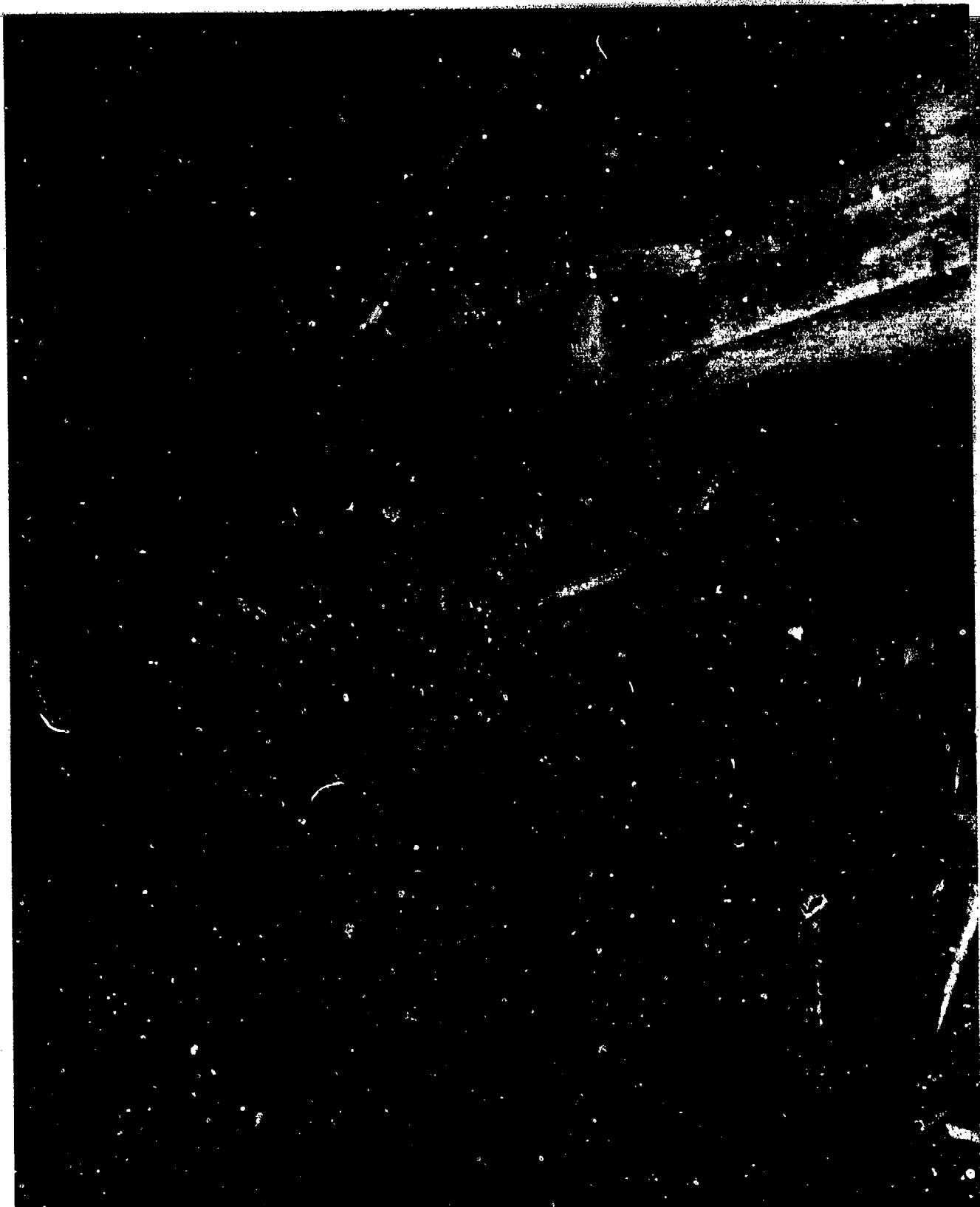
AA-CR-175-2118-7. Underside of flight deck, Bent girder 110, looking forward from bent 115 along centerline.

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AA-CR-175-2131-11. Flight deck Bent 110, starboard overhead connection showing failure of welded joint. Looking forward.

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AA-CR-59-4149-12. Flight deck Bent 110, starboard overhead connection, showing failure of welds at vertical and horizontal joints. Locking forward.

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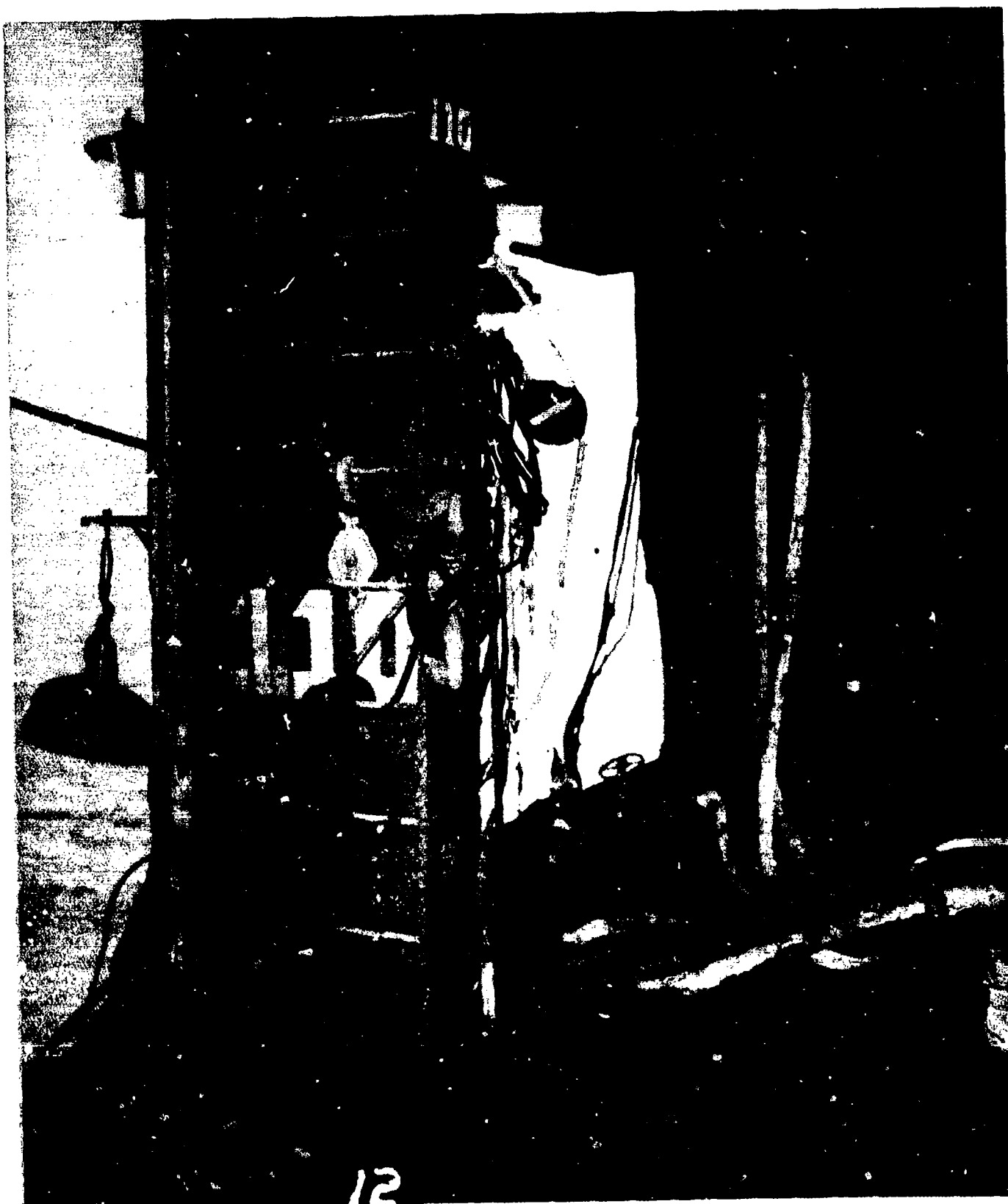


AA-CR-100-165-10. Flight deck Bent 110, port side overhead connection showing fractured fillet welds. Looking aft.

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AB-CR-80-170-12. After Baker - Flight deck Bent 110, starboard bottom, looking aft.

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AB-CR-80-1675-1. After Baker. Flight deck Bent 113, top corner, port side, looking aft.

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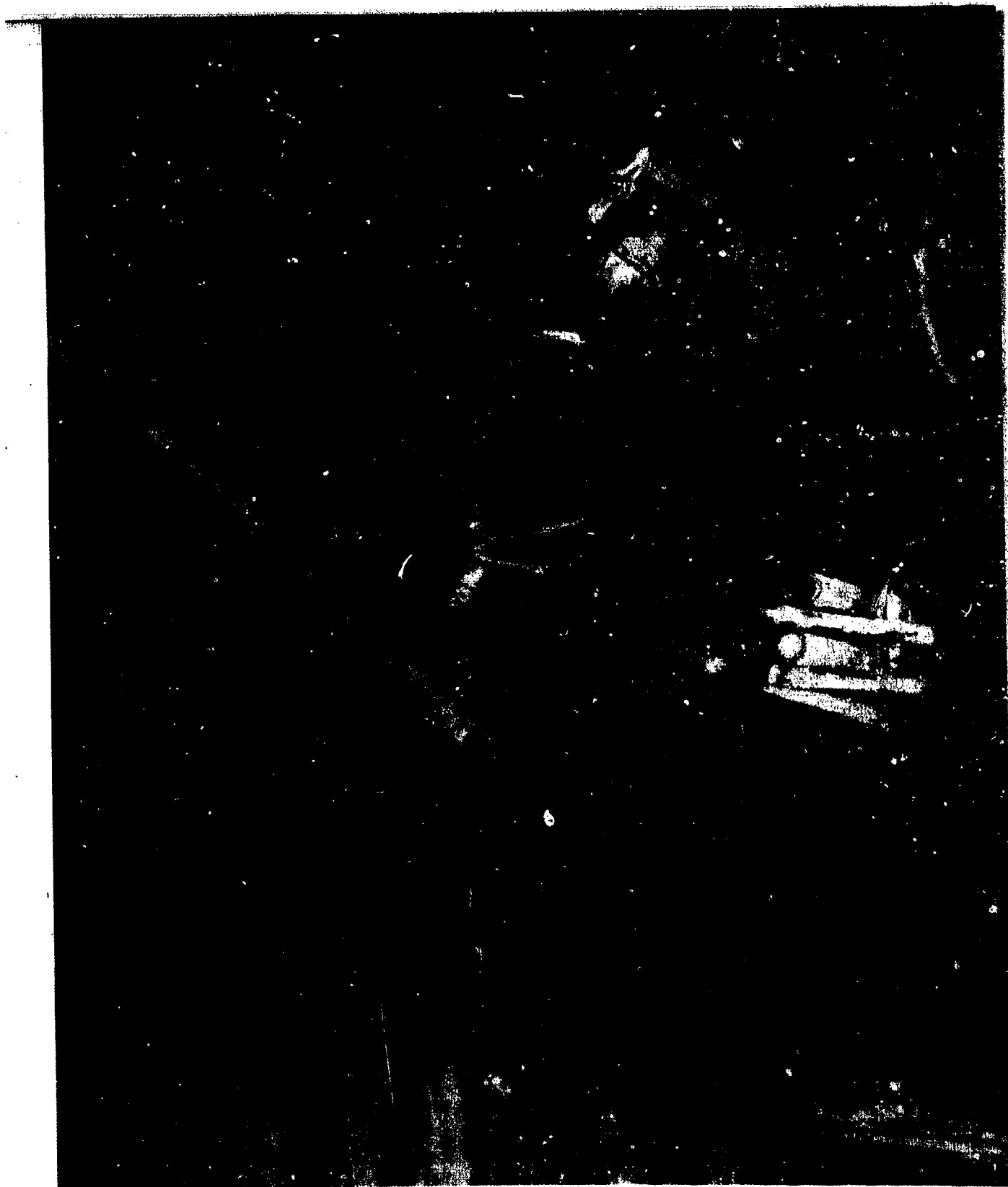
AA-CR-59-4153-1. Flight deck Wobble Bents 113 and 115, port side, looking aft and to port. Note failure of deck pad at 113.

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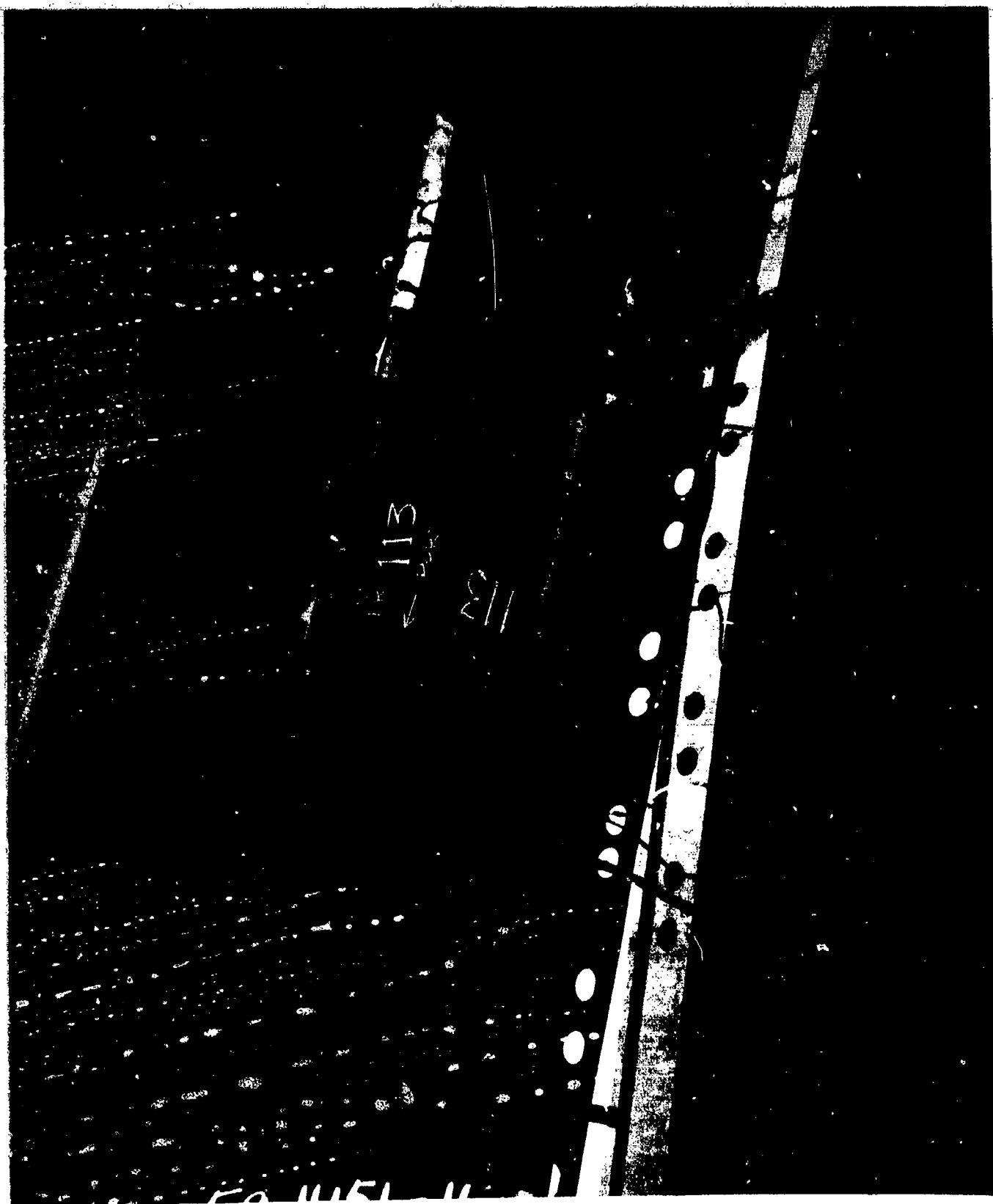


AA-CR-65-958-2. Failure of Wobble bent deck pad, frame 113, port side, looking forward.

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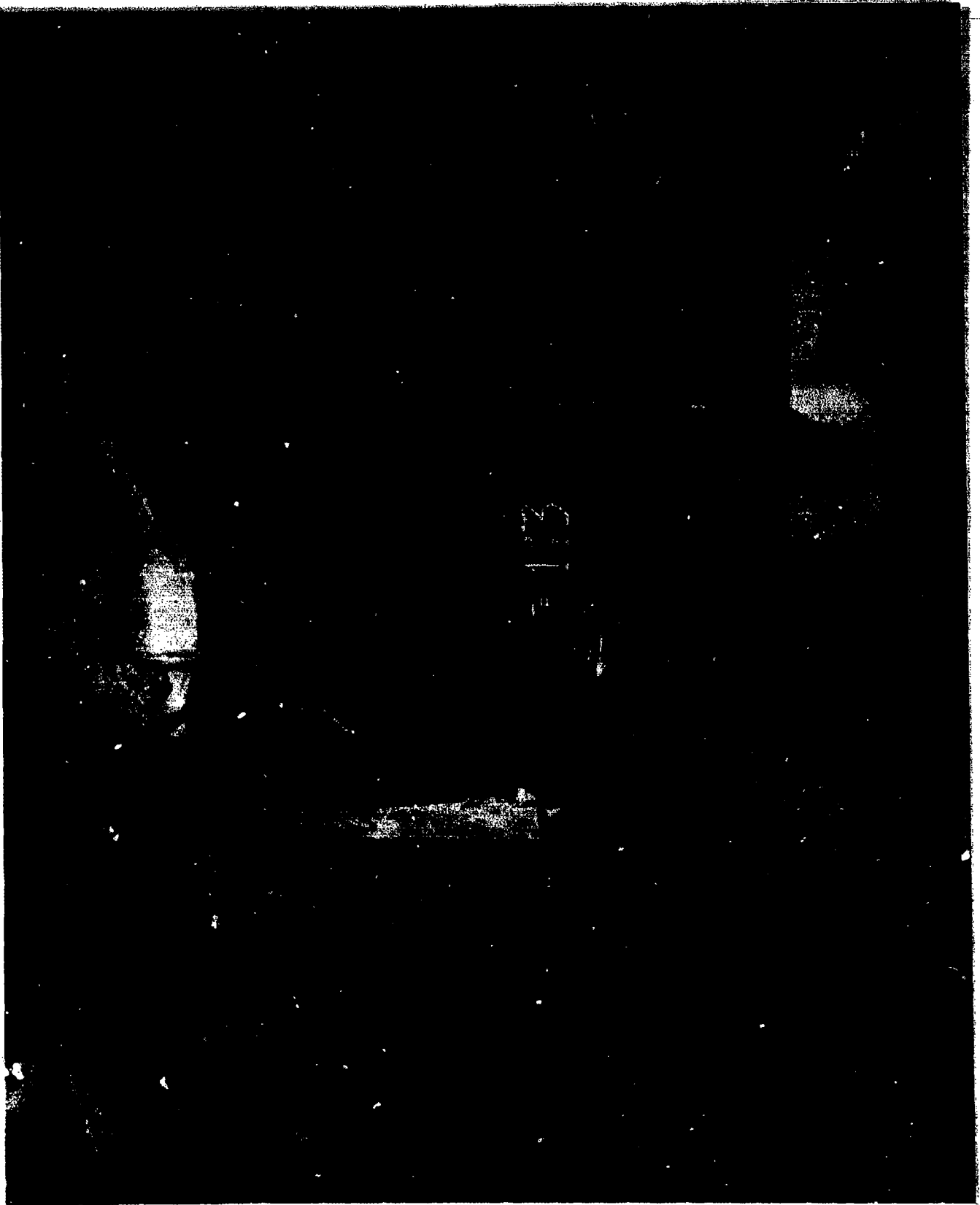
AA-CR-59-4151-11. Flight deck Bent girder 113, looking forward and up.

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AA-CR-59-4150-1. Flight deck Bent 113, starboard upper corner, looking aft.

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AA-CR-80-1675-3. After Baker. Flight deck Bent 113, bottom, starboard side, looking aft.

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AA-CR-100-4160-1. Underside of gallery plating, frames 113 to 115, port side. Note similarity of damage between these beams and flight deck girders.

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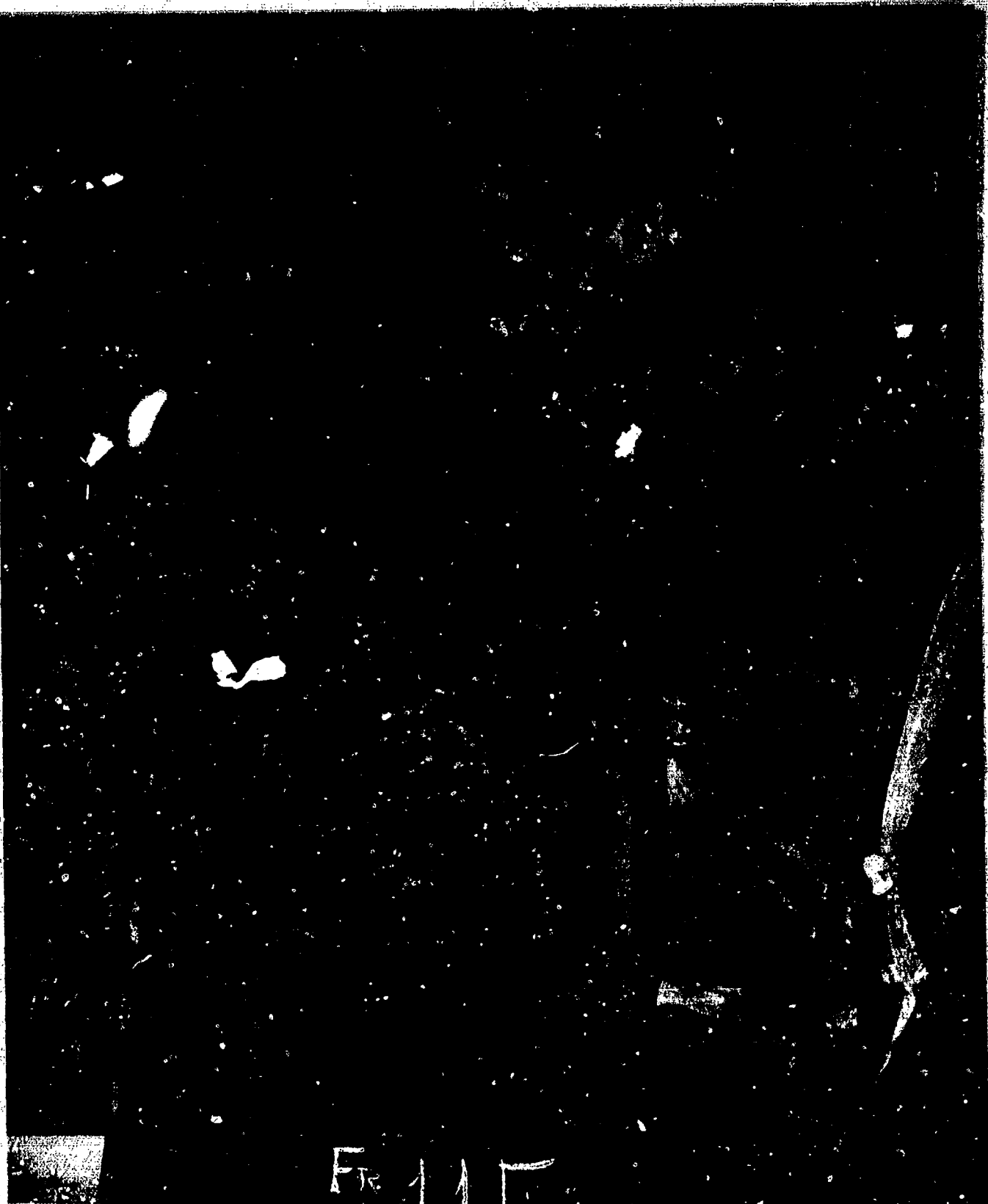


AB-CR-80-1675-2. After Baker. Flight deck Bents 113 and 115, top corner, starboard side, looking aft.

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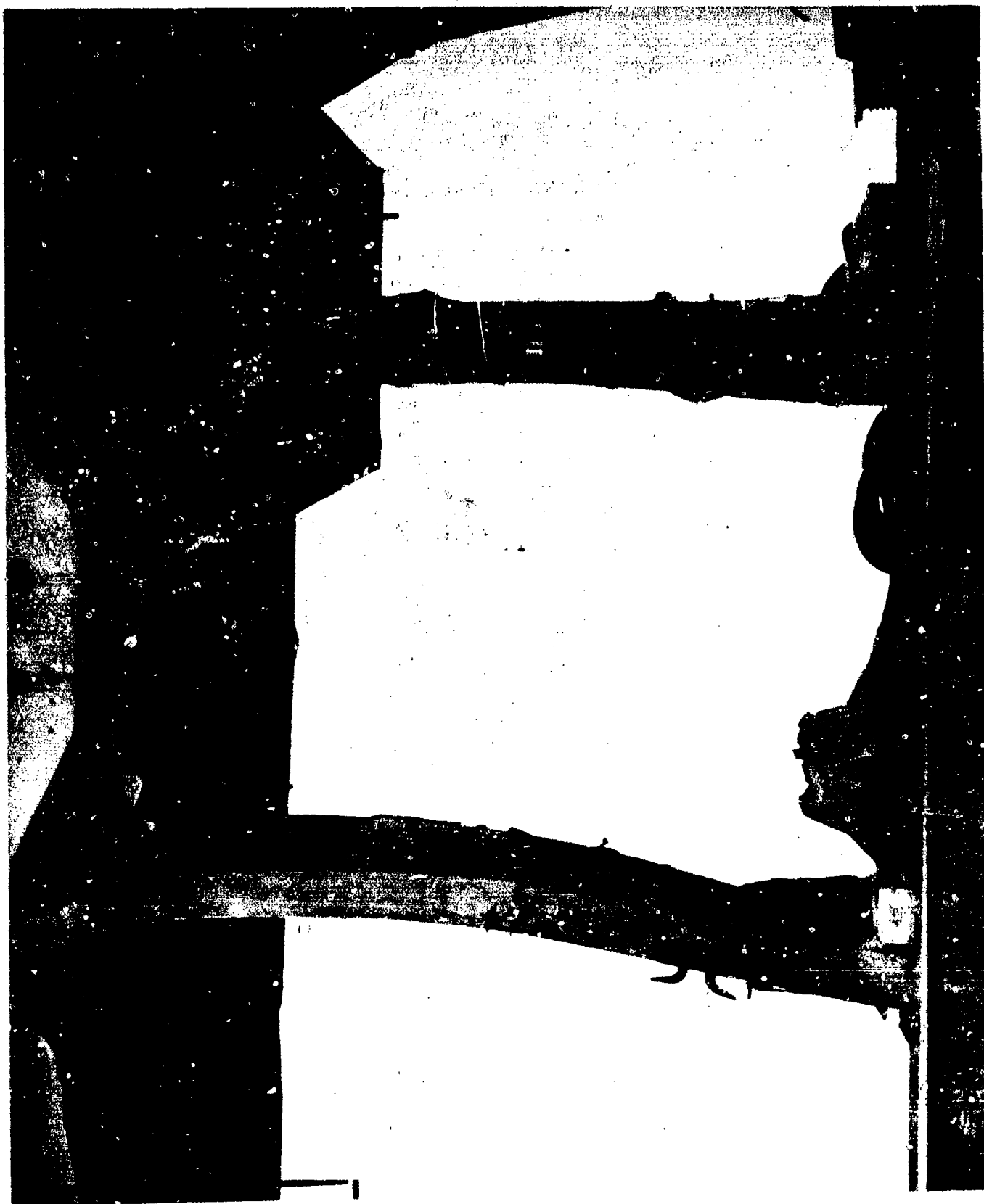


AA-CR-59-4150-6. Flight deck bent 115, port upper corner, looking forward.

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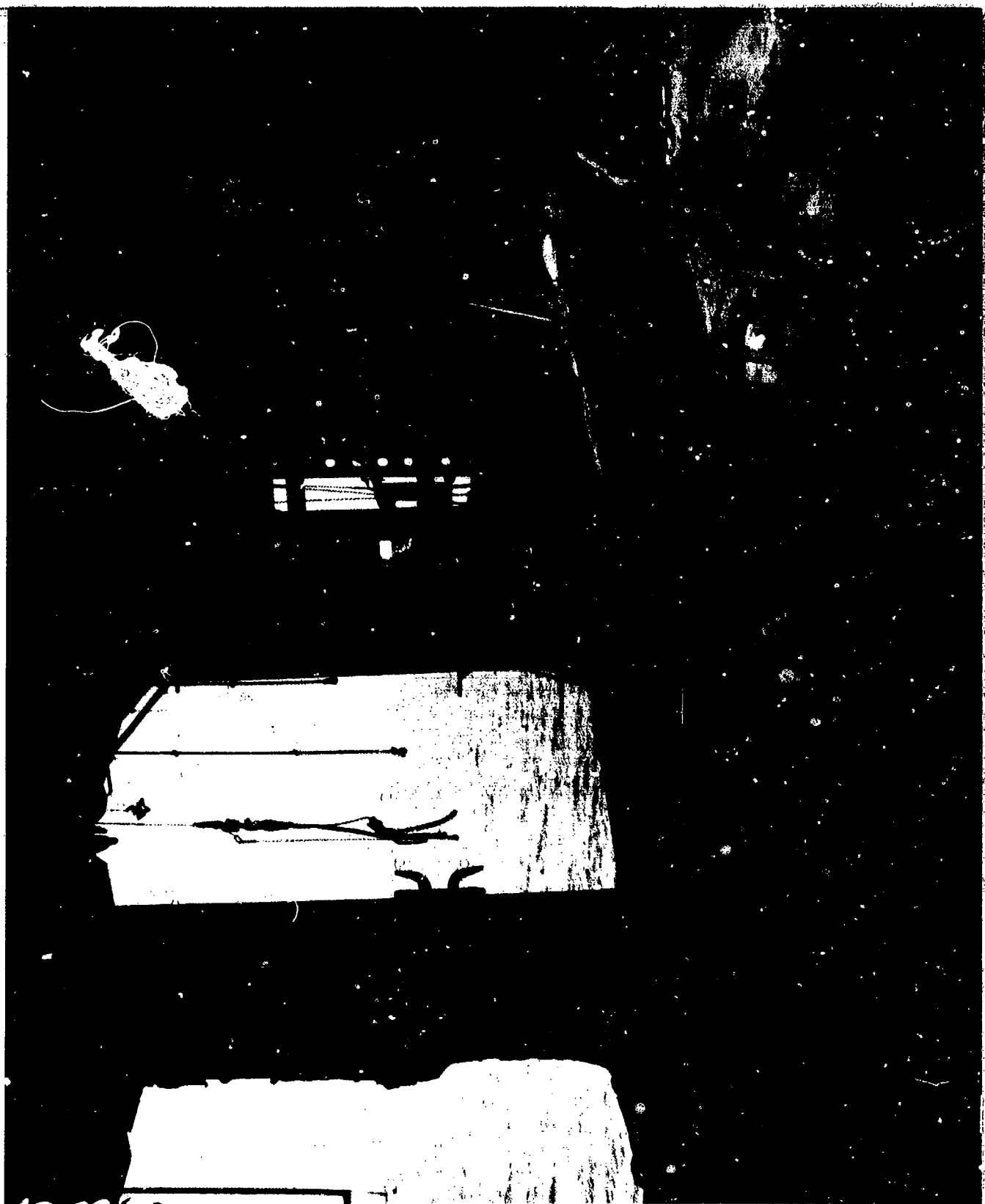
AA-CR-59-4150-10. Flight deck Bents 115 and 118, port side. Looking to port from elevator well.

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AB-CR-80-1675-4. After Baker. Flight deck columns 118 and 124, starboard side, looking aft.

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AA-CR-59-4150-2. Flight deck Bents 115 and 118, starboard side.
Looking to starboard and forward from elevator well.

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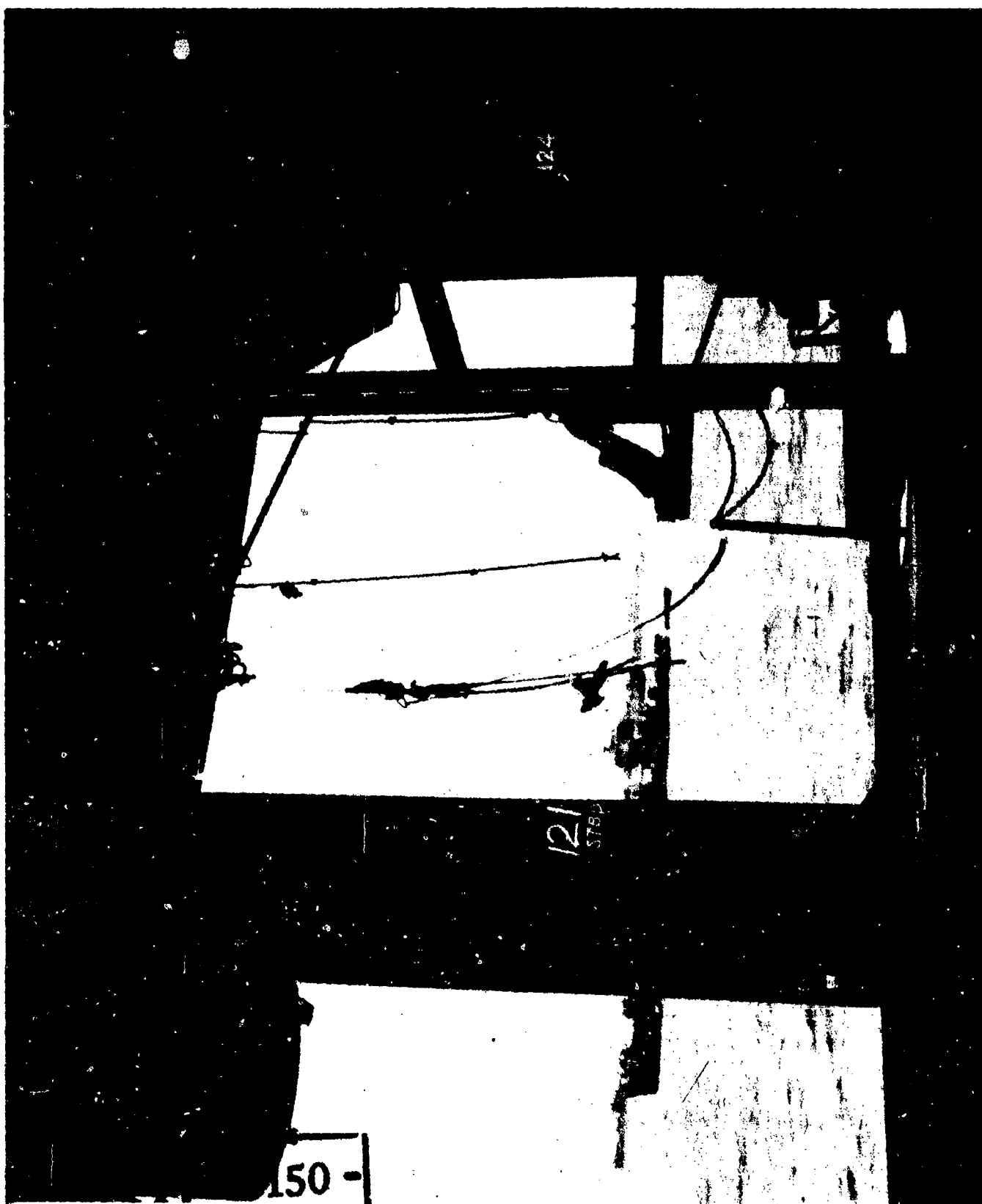
AA-CR-65-958-3. Bent 118, port side, looking forward.

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AA-CR-59-4150-3. Flight deck columns 121 and 124, starboard side. Looking to starboard and aft from elevator well. Note that there is virtually no damage.

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AA-CR-59-4150-12. Flight deck Bents 121 and 124, starboard side, looking to starboard from elevator well. Note elevator guide rail on Bent 121.

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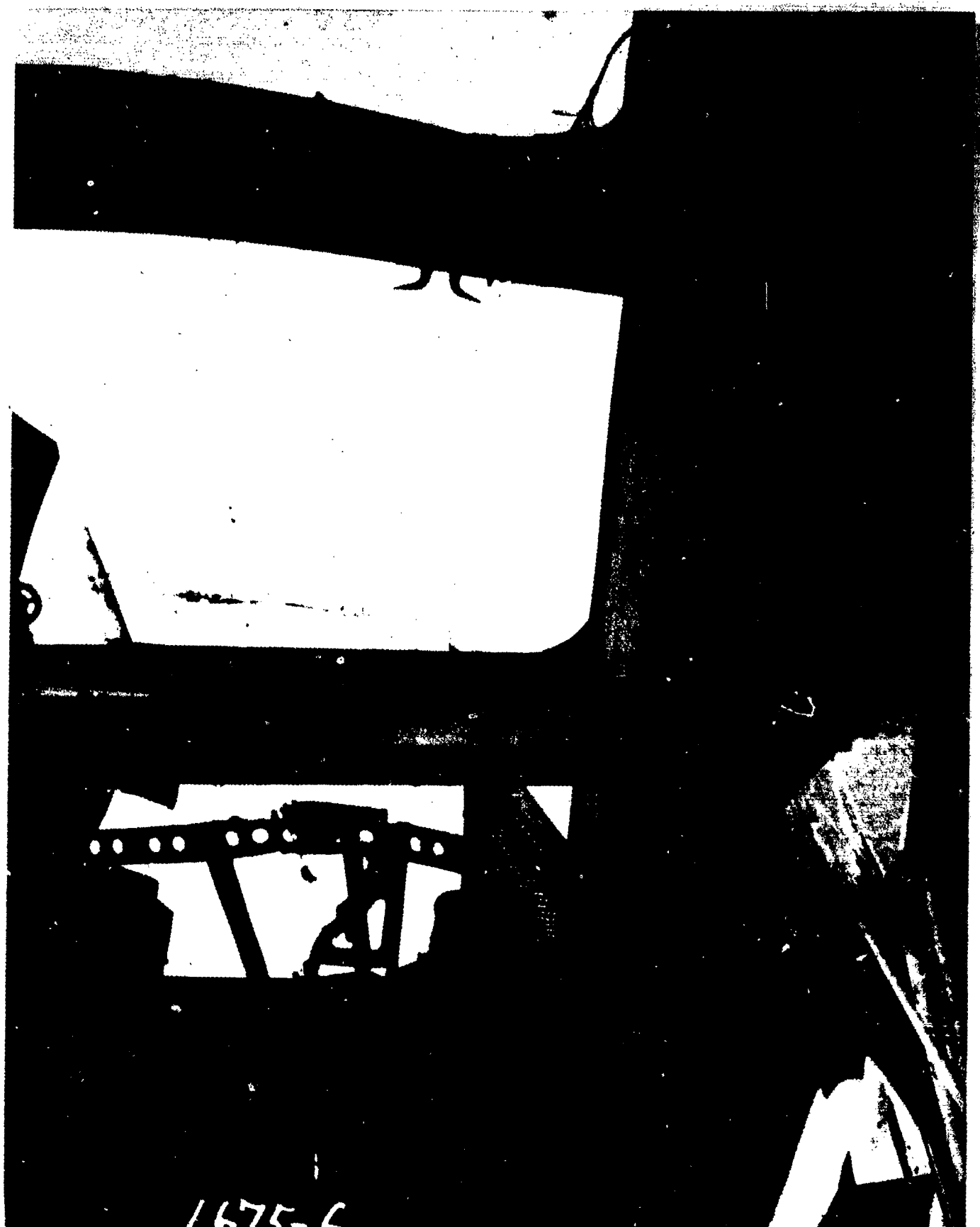
AA-CR-80-1675-5. After Baker. Flight deck columns 118 and 121, tops, starboard side, looking aft.

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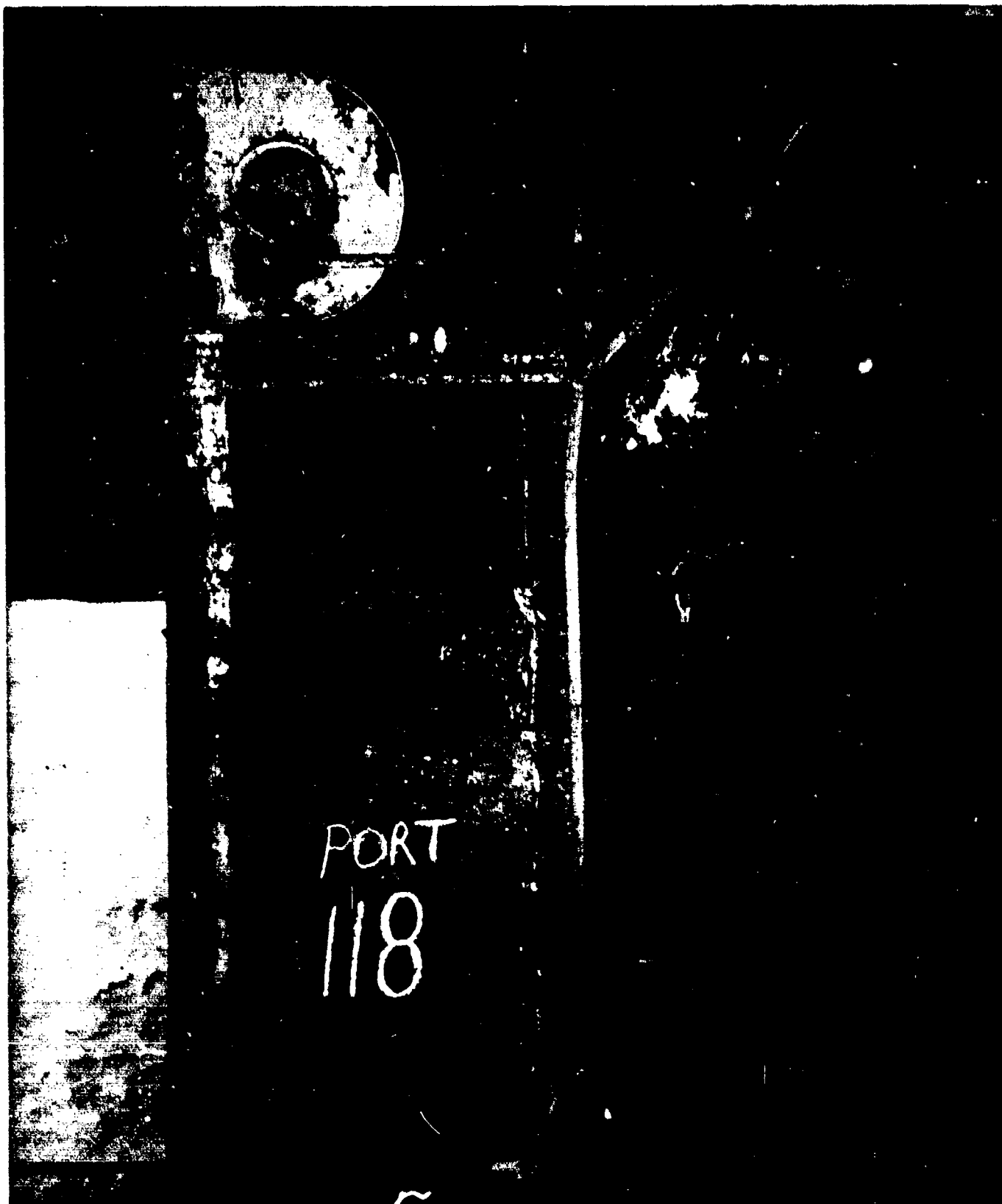
AA-CR-80-1675-6. After Baker. Flight deck columns 118-124, port side, looking aft.

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AA-CR-59-4150-5. Flight deck Bent 118, port side, upper corner, looking forward.

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AA-CR-59-4150-11. Flight deck Bents 124 and 121, port side. Looking to port from elevator well. Note elevator guide rail on Bent 121.

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AA-CR-59-2167-7. Hangar deck, looking to starboard and aft at damage to transverse bulkhead at frame No. 126.

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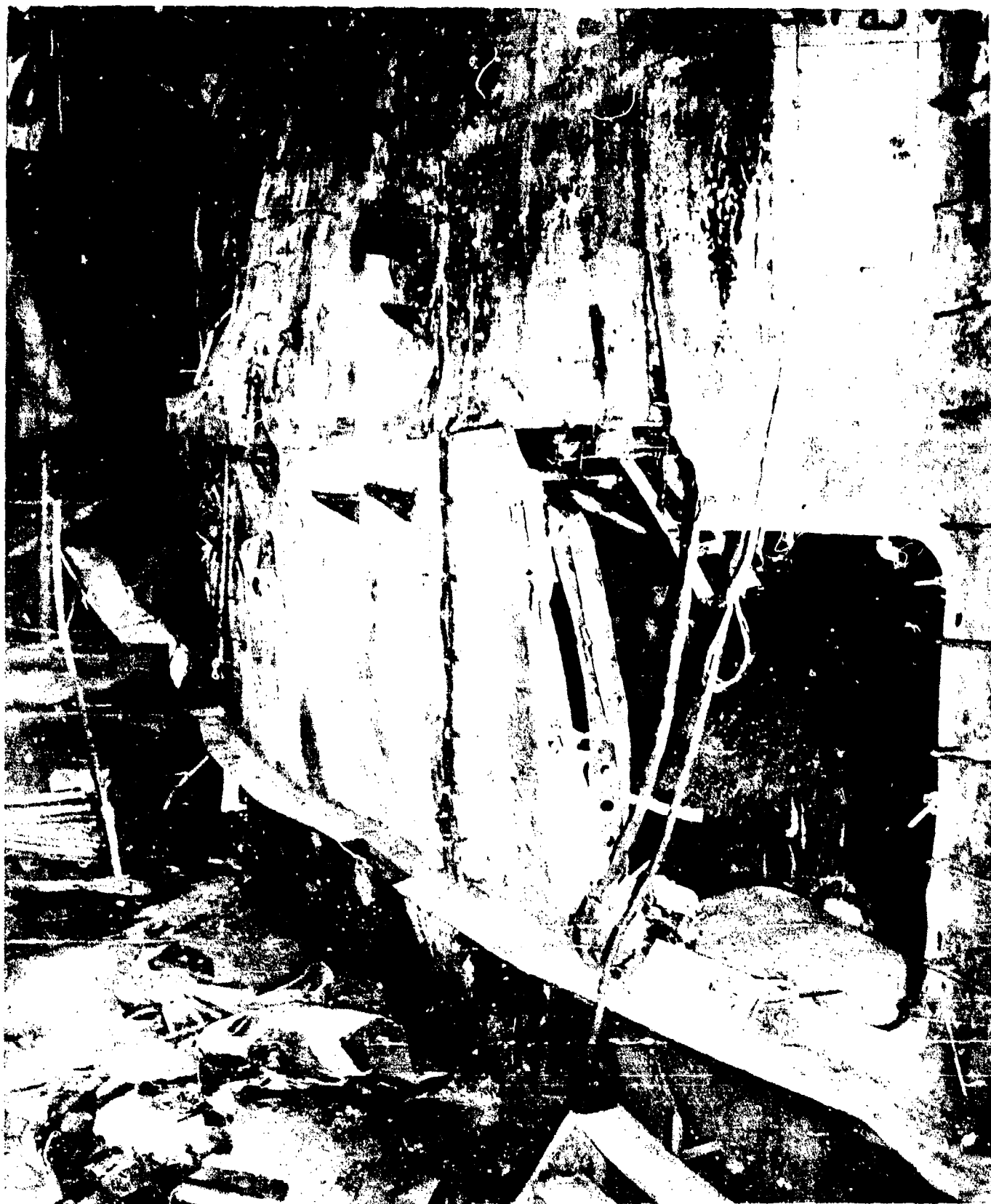
AA-CR-59-4148-4. Hangar deck, transverse bulkhead, frame 126, showing distortion and failure of welded seams. Looking aft and to starboard through elevator shaft from flight deck.

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AA-CR-175-2115-2. Hangar deck, transverse bulkhead, frame 126, showing bulge and failure of welded seams. Looking aft and to starboard.

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AA-CR-175-2038-10. Bulkhead 126 from forward edge of after elevator opening in flight deck. Note effect of fire and low order torpedo detonation aft of bulkhead.

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AA-CR-65-1736-8. Main deck, C-101-B. Looking starboard and forward at bulkhead 126, starboard side. Debris in torpedo stowage space.

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AA-CR-175-2041-4. Main deck, C-101-B, opening in starboard shell, bulkheads 126-132 resulting from low order detonation of torpedos. (Accent on shell).

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AA-CR-175-2041-5. Main deck, C-101-B. Opening in starboard shell bulkhead 126-132 resulting from low order detonation of torpedoes. (Accent on debris.)

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AA-CR-175-2041-6. Main deck, C-101-B. Damage to overhead in torpedo stowage. Bulkheads 126-132, starboard side. Note torpedo hatch in center of photograph, through which debris and poop deck is visible.

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AA-CR-65-1736-9. Main deck, C-101-B, looking aft at bulkhead 132, starboard side, in torpedo stowage space.

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AB-CR-66-151-3. After Baker. Main deck C-106-E, shipfitters shop. Looking forward and to port at failure of welded connection between bulkhead 132 and deck.

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AA-CR-59-2217-3. Main deck, C-106-E. General view between frames 132-138 from opening in port shell. Blast and fire damage in shipfitters shop.

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AA-CR-175-2041-7. Main deck, shipfitters and sheet metal shop, C-106-E, showing fire and blast damage to equipment and transverse bulkhead at frame 138. Looking aft. Note failure of welded connection between bulkhead and deck.

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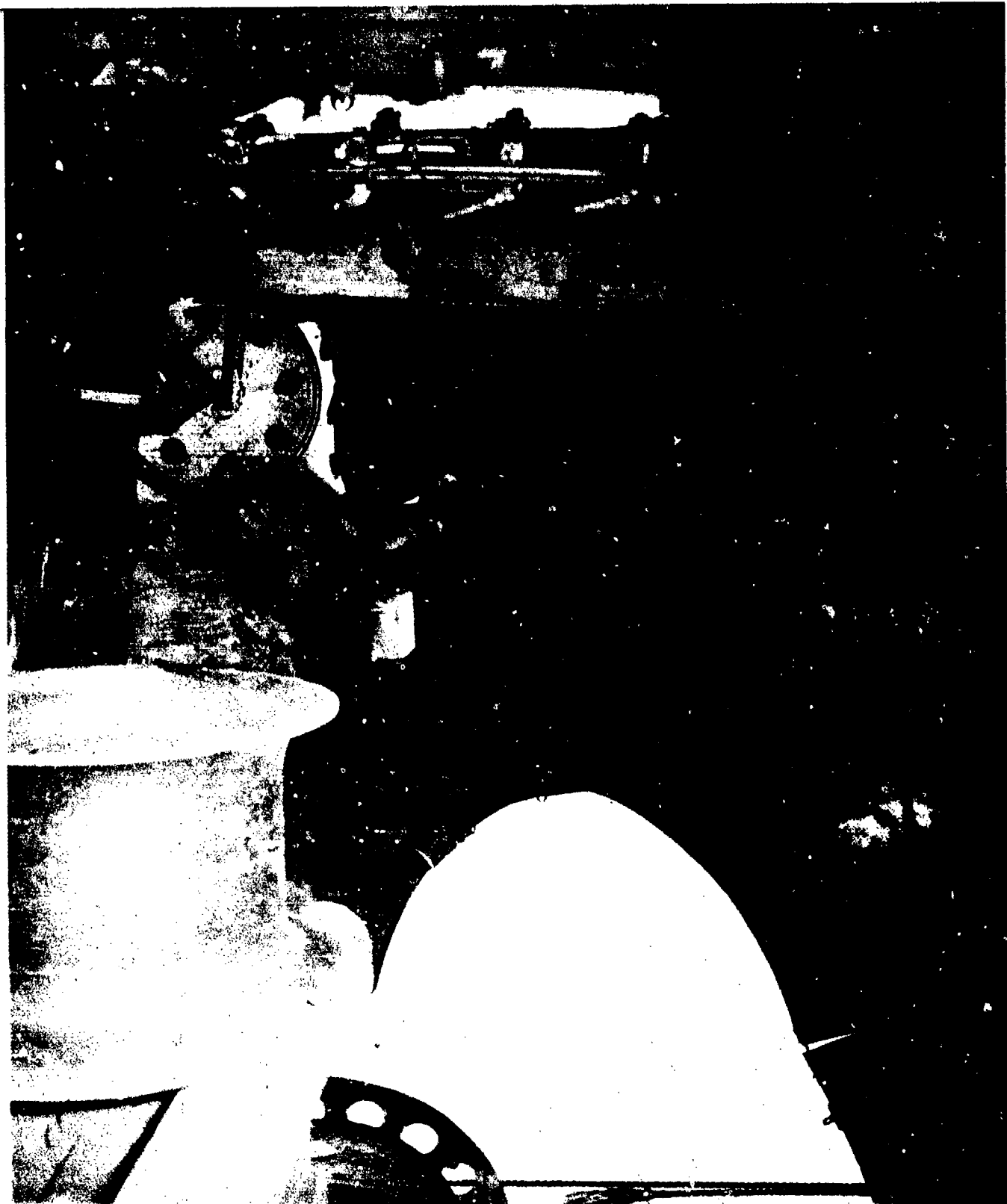
AB-CR-66-146-8. After Baker. Main deck, starboard side, frames 144 to 146, showing failure of welded connection between upper end of stiffeners and overhead poop deck structure; and, failure of welded joint between bulkhead 144 and side plating. Looking outboard and forward.

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AA-CR-93-1999-6. Main deck, port side fashion plate, frame 146, looking to port from centerline.

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AA-CR-93-1999-5. Main deck, port side fashion plate, frame 147, looking to port from centerline.

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AB-CR-66-146-9. After Baker. Main decks. Distortion of overhead poop deck longitudinals and weld failures at junction of longitudinals and transverse bulkhead 144. Looking inboard and forward from starboard side.

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AA-CR-175-2041-9. Looking forward at port side of stern structure above main deck. Note H-beam stanchion and bracket torn loose.

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AA-CR-175-2041-8. Flight deck, port after corner as seen from main deck level. Note tear in flight deck plating, and failure of deck longitudinals at welded connections to bulkheads 147-148.

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AB-CR-66-146-12. After Baker. Main deck, starboard side. Failure of welds at overhead connection between bracket, overhead and stanchion at frame 148. Looking forward.

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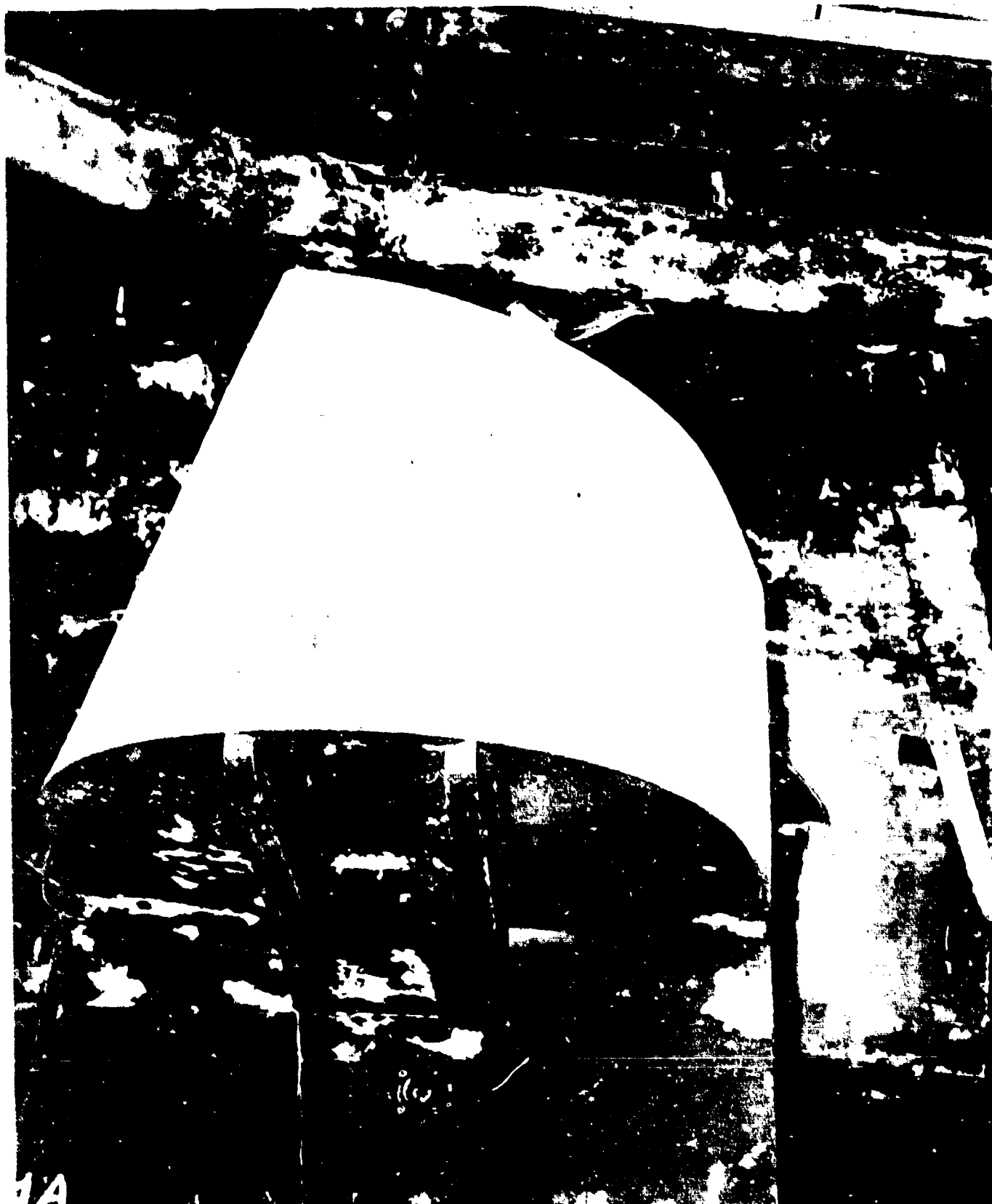
AB-CR-66-146-10. After Baker. Main deck, frame 147 to the after perpendicular. Blast damage to port bulkhead of ammunition handling room and failure of bounding weld at deck. Looking inboard and aft.

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AA-CR-175-2041-12. After edge of flight deck, in way of centerline.
Viewed from starboard side.

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AA-CR-175-2041-10. Looking forward at starboard side of stern structure above main deck. Note H-beam stanchion torn loose at welded connection (lower left).

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AA-CR-175-2041-11. Main deck, looking forward from 40mm gun sponson starboard side. Note stanchion broken loose at welded overhead connection.

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AB-CR-66-151-2. After Baker, Main deck, starboard side, frames 144 to 148, showing failure of welded connection between stanchion and overhead. Looking forward and upward.

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AA-CR-88-2100-11. Second deck, A-210-L. Looking aft and to starboard at port side of bulkhead 49.

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AA-CR-59-2087-11. Second deck, A-210-L. Looking aft at port side of bulkhead 49.

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AA-CR-59-2087-8. Second deck, A-210-L. Failure of bulkhead 49, starboard side looking aft.

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AA-CR-88-2100-12. Second deck, A-210-L. Looking aft and to starboard at W.T. door in bulkhead 49.

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AA-CR-59-2087-9. Second deck, A-211-L. Buckling of bulkhead 49 just to starboard of centerline. Looking forward and to port.

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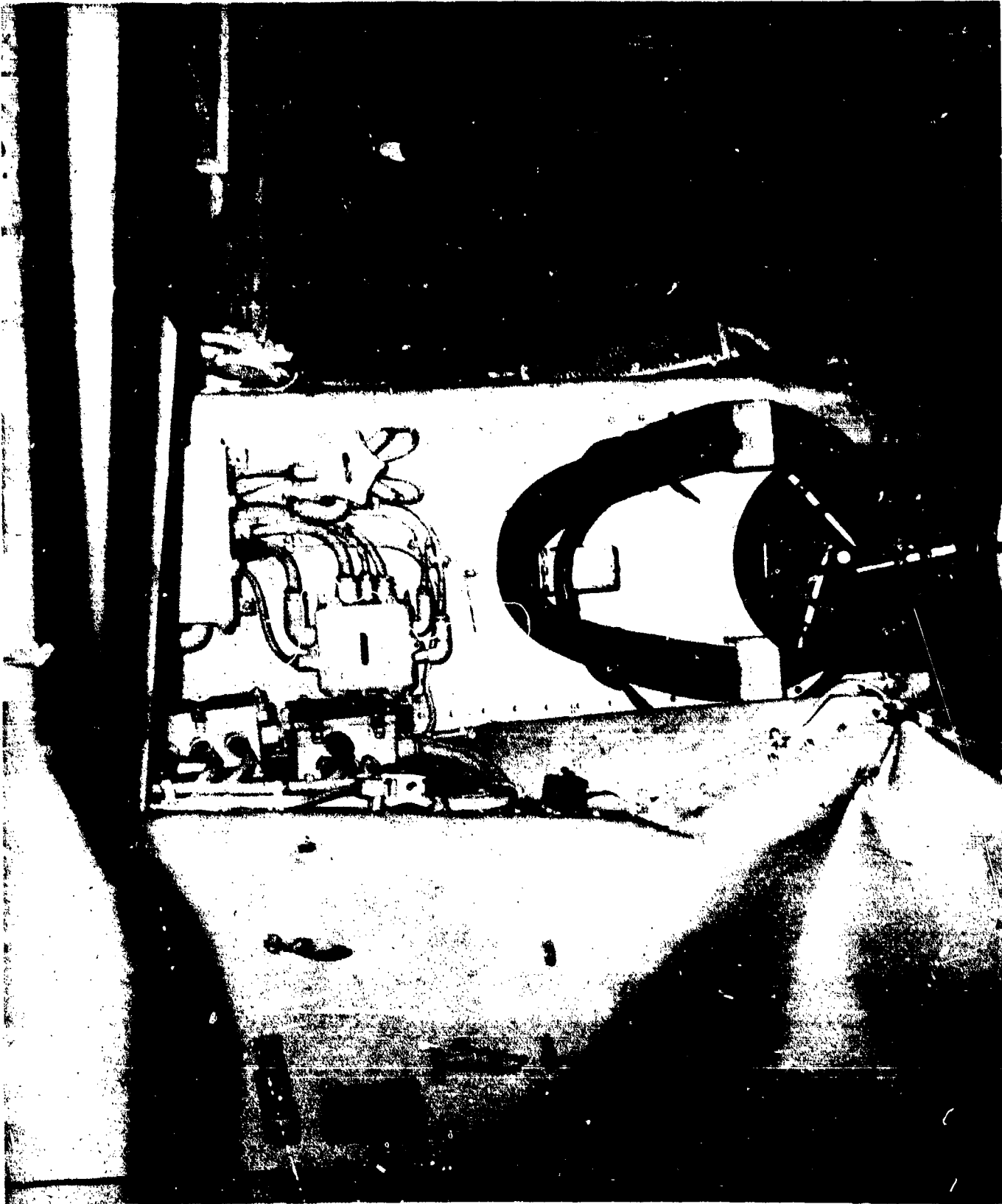
AA-CR-59-2087-12. Second deck, supply office, looking forward at port side of bulkhead 49, for opposite side, see 2087-11.

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AA-CR-59-2087-10. Second deck, A-211-L. Failure of repair party locker and metal joiner bulkhead, frames 53 and 54, port side looking aft.

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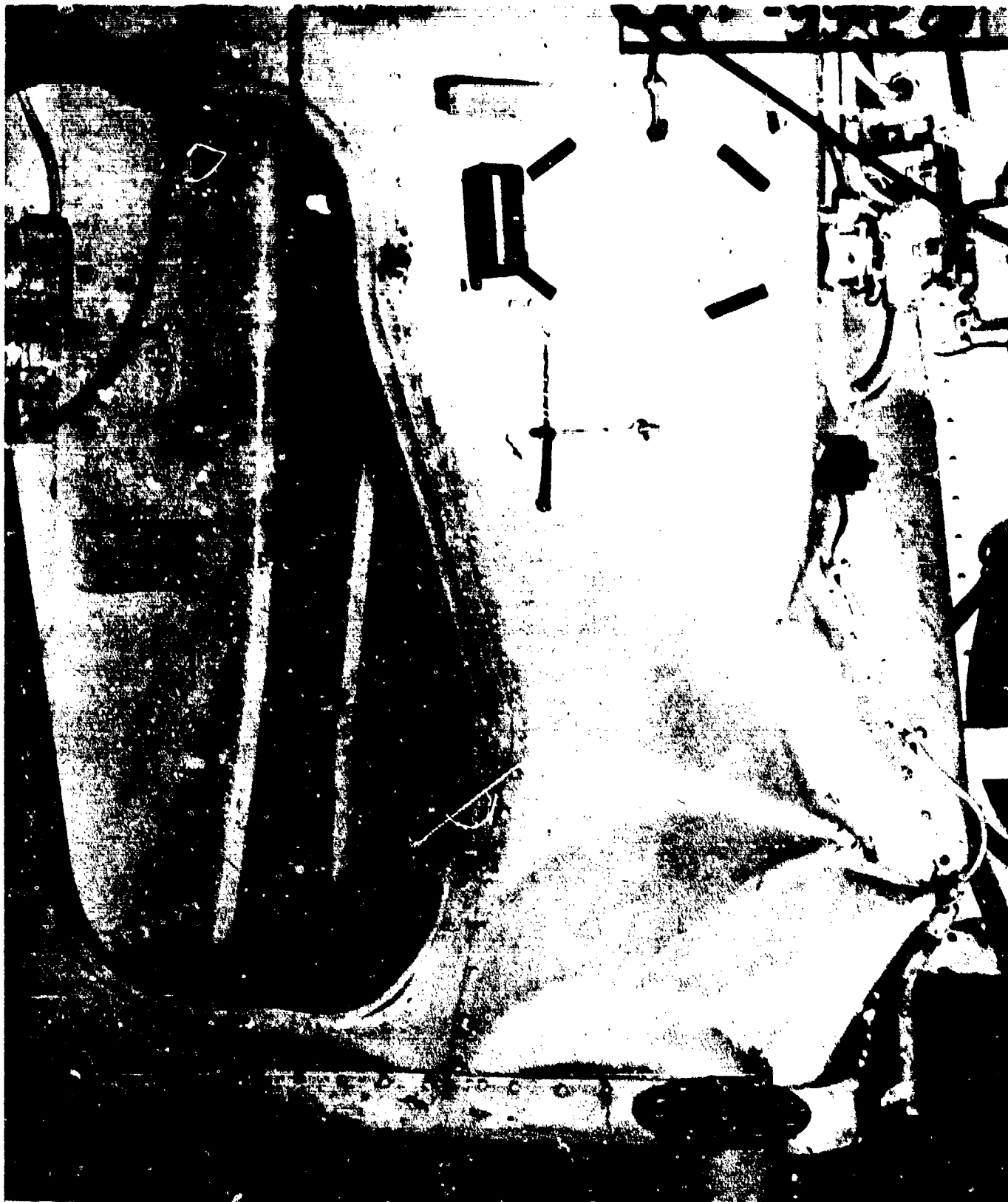
AA-CR-175-2133-6. Second deck, A-211-L. Looking aft from bulkhead 49 at repair party locker, frame 53, starboard side.

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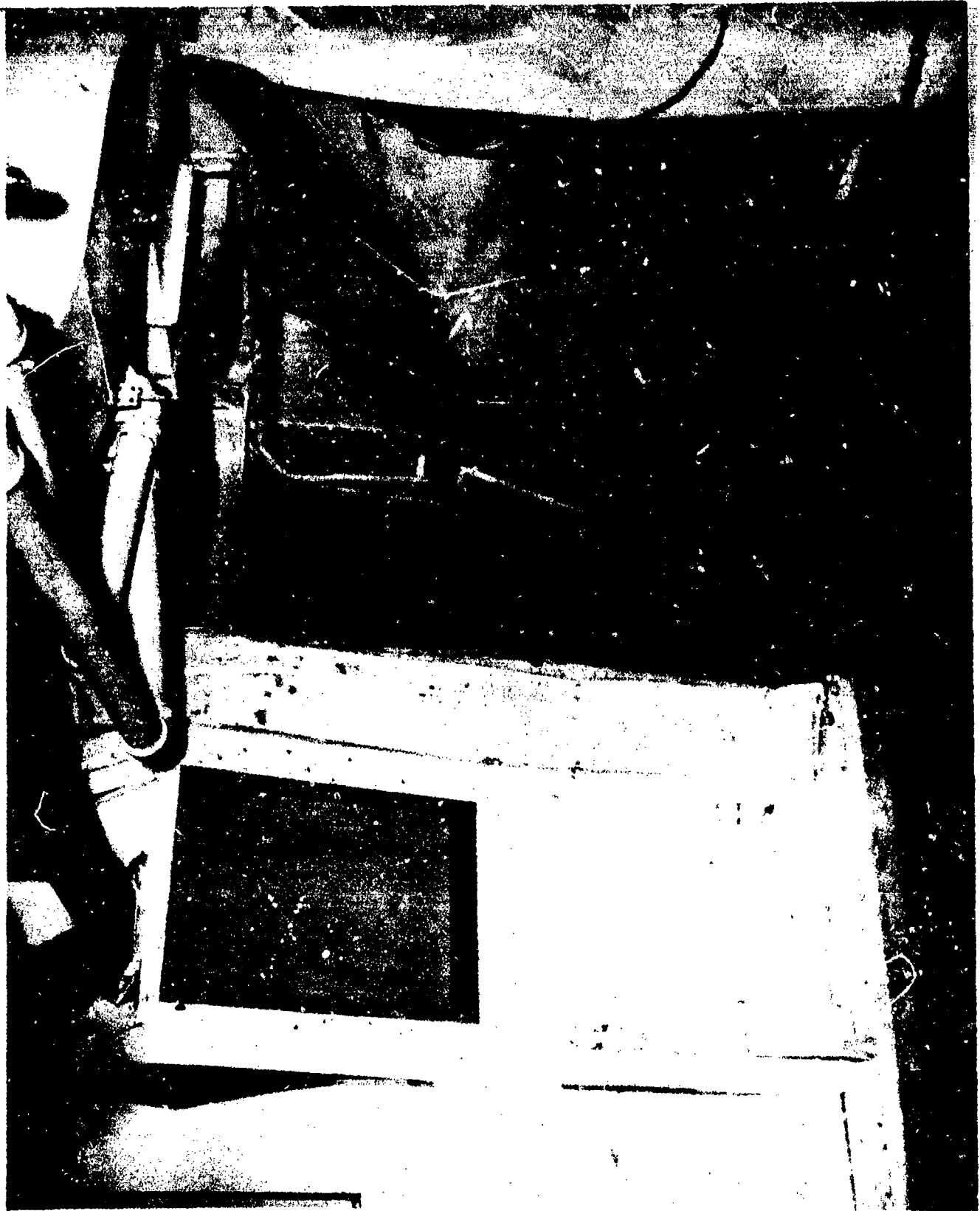


AA-CR-66-146-1. After Baker. Second deck, A-211-L. Looking aft from frame 49 at repair party locker, frame 51. No perceptible increase over Test A damage. For condition prior to Test B see 2133-6.

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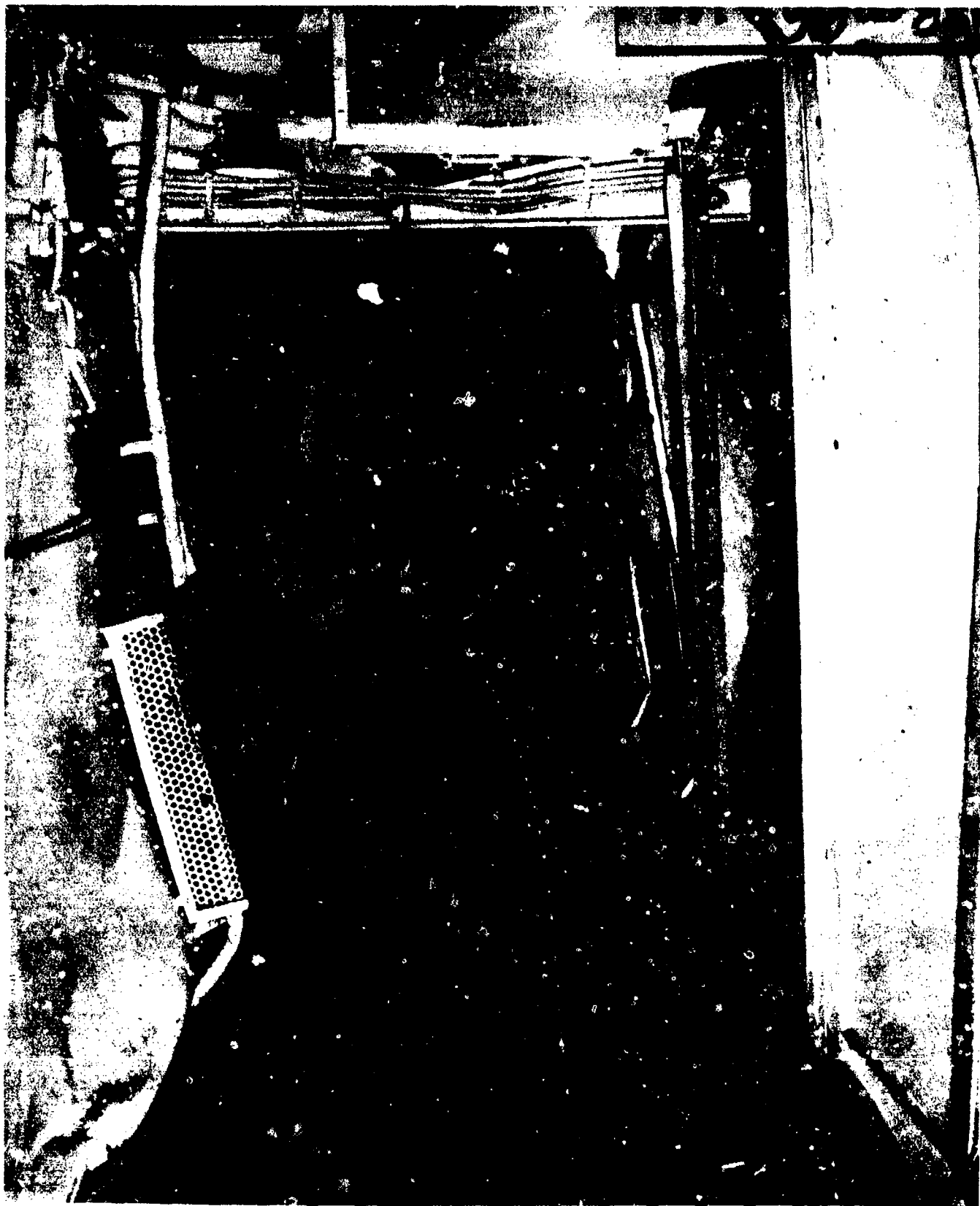
AA-CR-175-2133-7. Second deck. A-211-L. Passage port of center-line, looking forward from frame 57.

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AA-CR-66-146-3. After Baker. Second deck. A-211-L. Looking aft from frame 49 along port side passage toward frame 57. No perceptible increase over Test A damage.

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AA-CR-59-2088-1. Second deck, A-211-L. Supply office looking aft. Detail view of transverse beam 53, port side.

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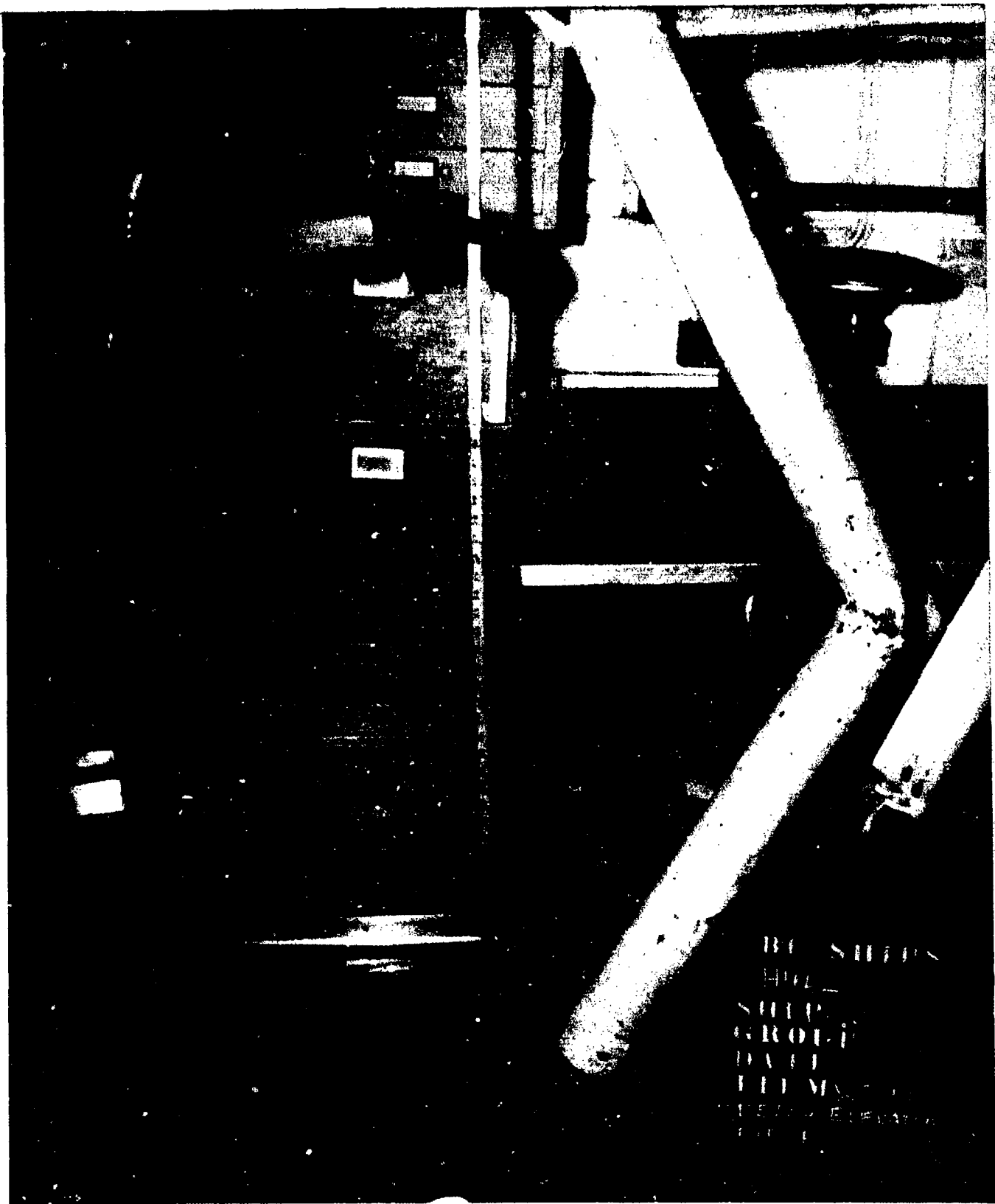
AA-CR-88-2100-10. Second deck, A-211-L. Supply office, view looking aft at main deck beam 53, port side.

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AA-CR-88-2100-9. Second deck, supply office, A-211-1, showing depression of overhead below forward elevator pit, buckled quarter span stanchion, frame 53, and weld failures between stanchion overhead and deck. Looking aft.

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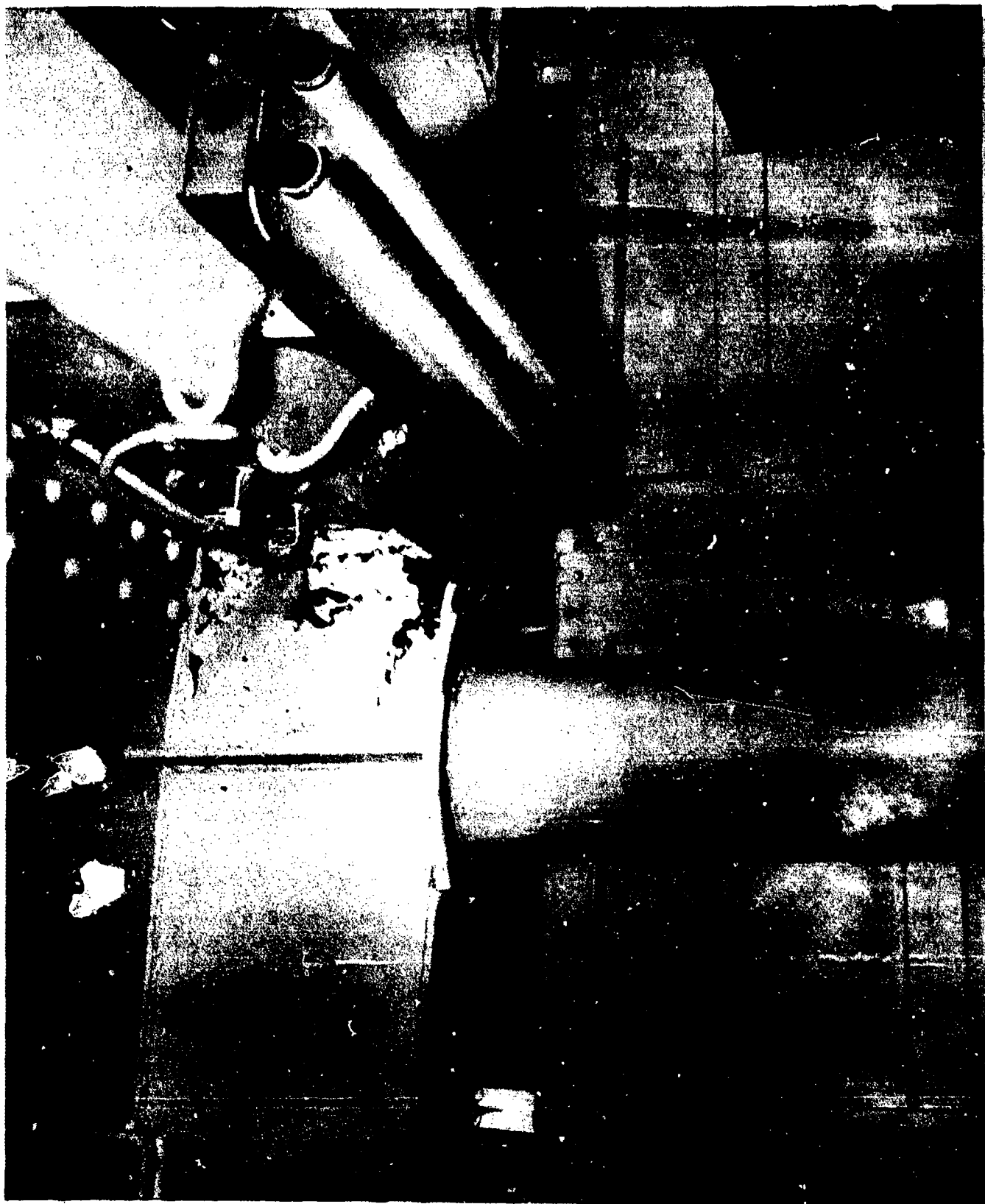


AA-CR-175-2133-5. Second deck. A-211-L. Passage on starboard side, -
looking forward from frame 57.

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AA-CR-59-2088-2. Second deck, B-201-1L. Looking at stanchion, frame 61, midway between centerline and port shell. Note lack of vertical alignment between stanchion and longitudinal.

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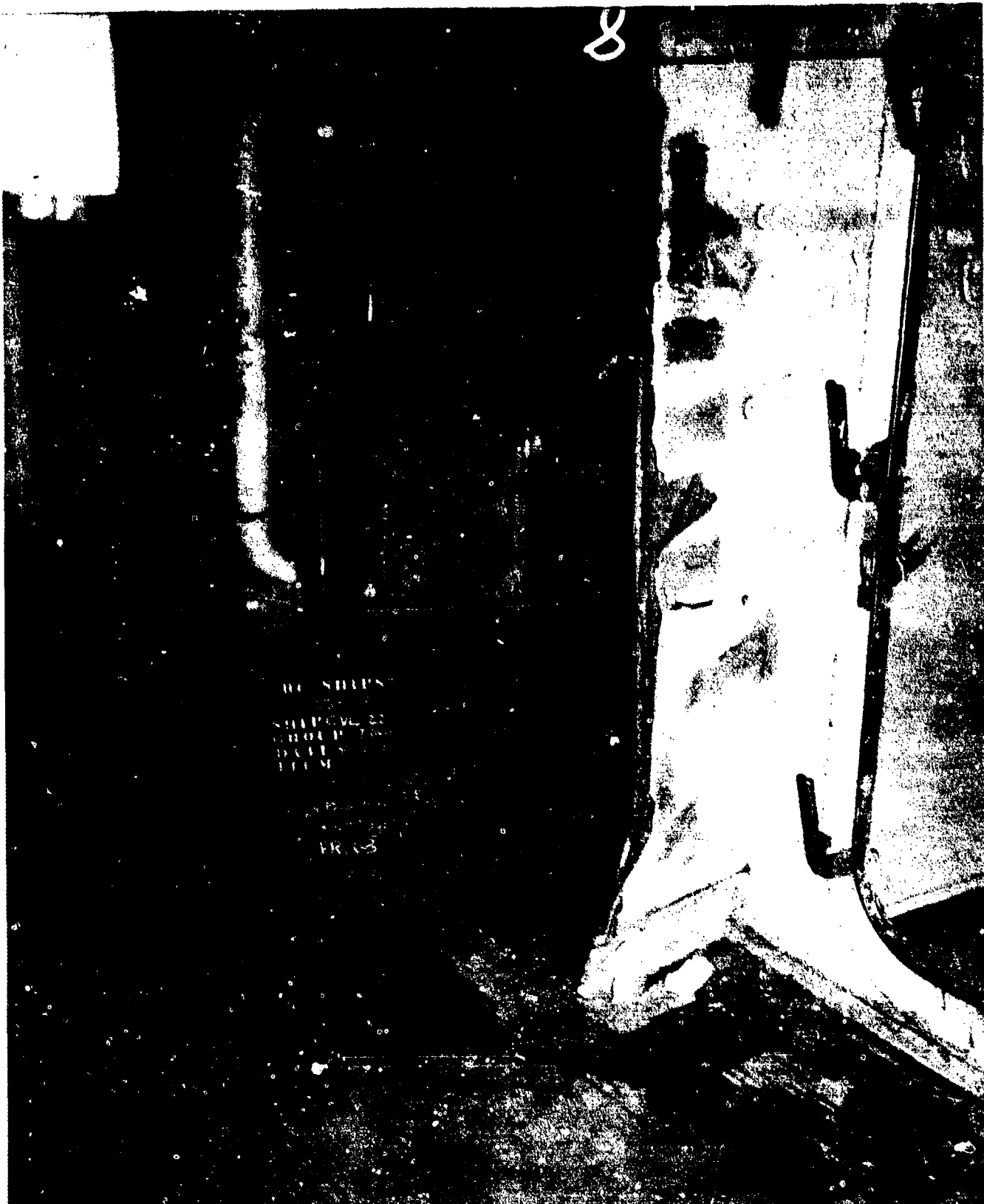


AA-CR-65-1735-10. Second deck, B-201-1L. Buckling of ventilation intake port side, frame 63, looking forward.

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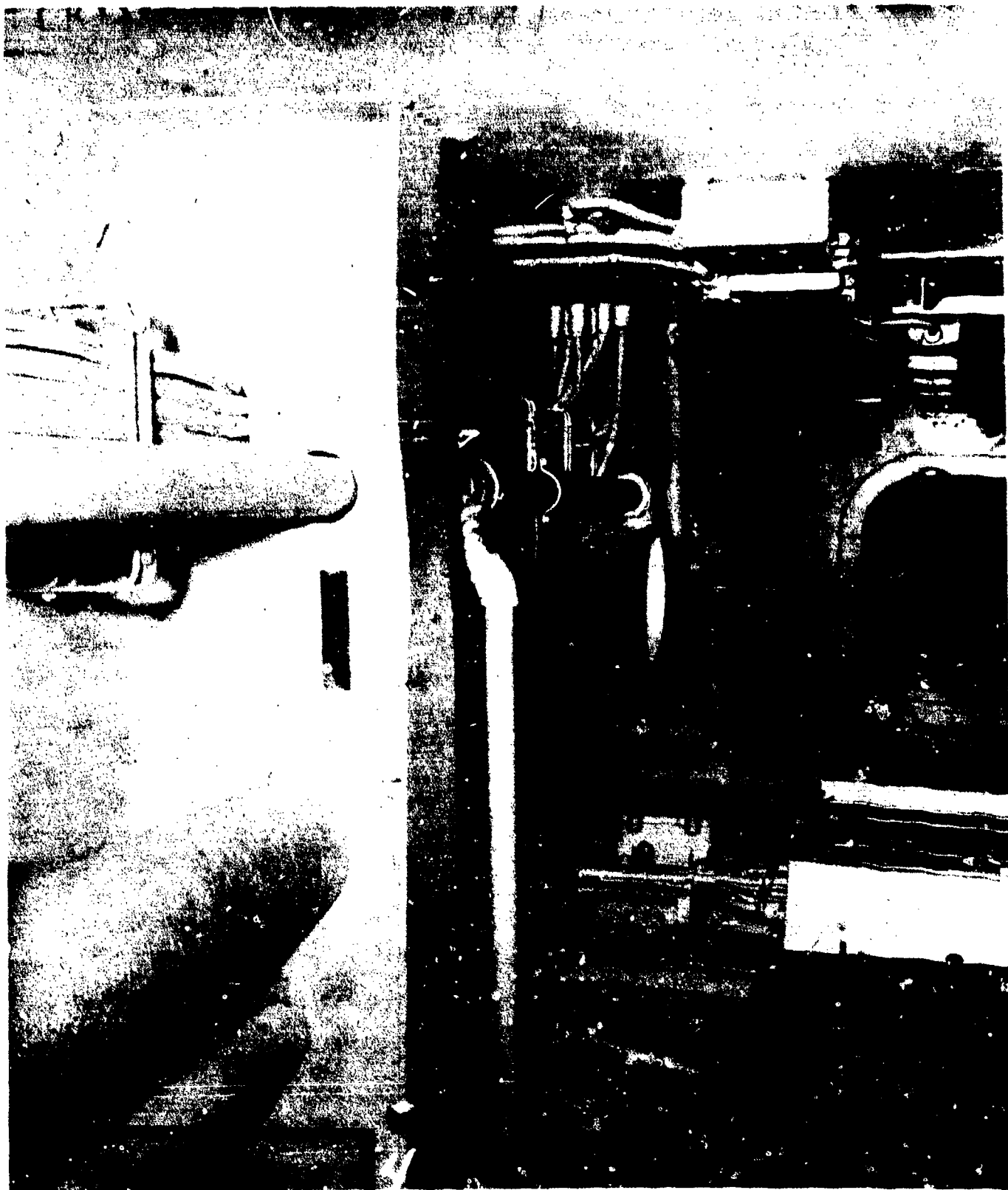


AA-CR-175-2133-8. Second deck, B-201-1L, port side passageway, showing blast damage to arc welded vertical ventilation duct. Frame 63, looking inboard and forward.

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AA-CR-59-2088-4. Second deck, port passage, looking forward from frame 74. Note number of cuts through web of beam which tended to weaken it.

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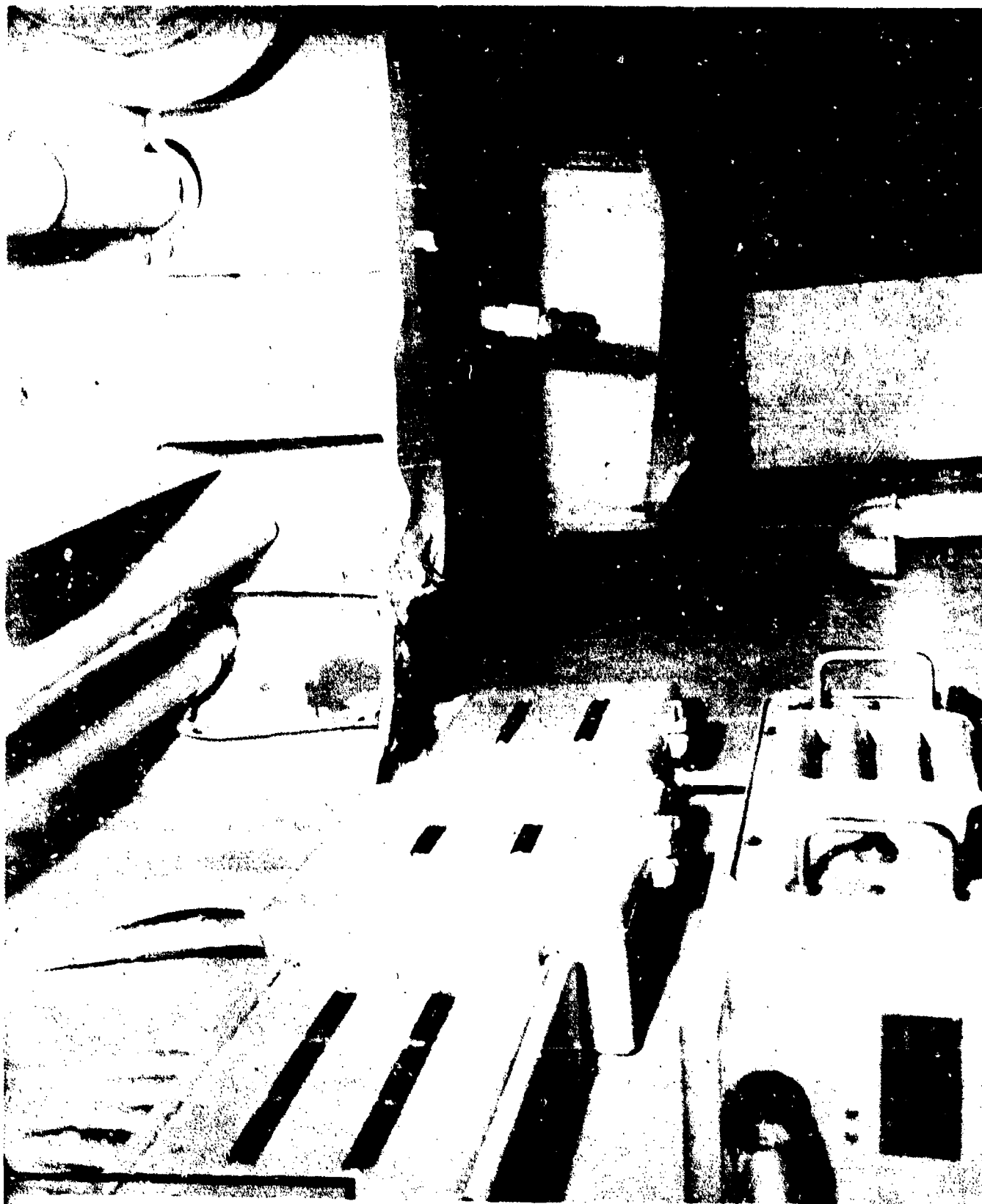
AA-CR-175-2133-10. Second deck, B-203-L. Blast damage to arc welded ventilation duct in mess attendants berthing space on port side at frame 83. Looking inboard and aft.

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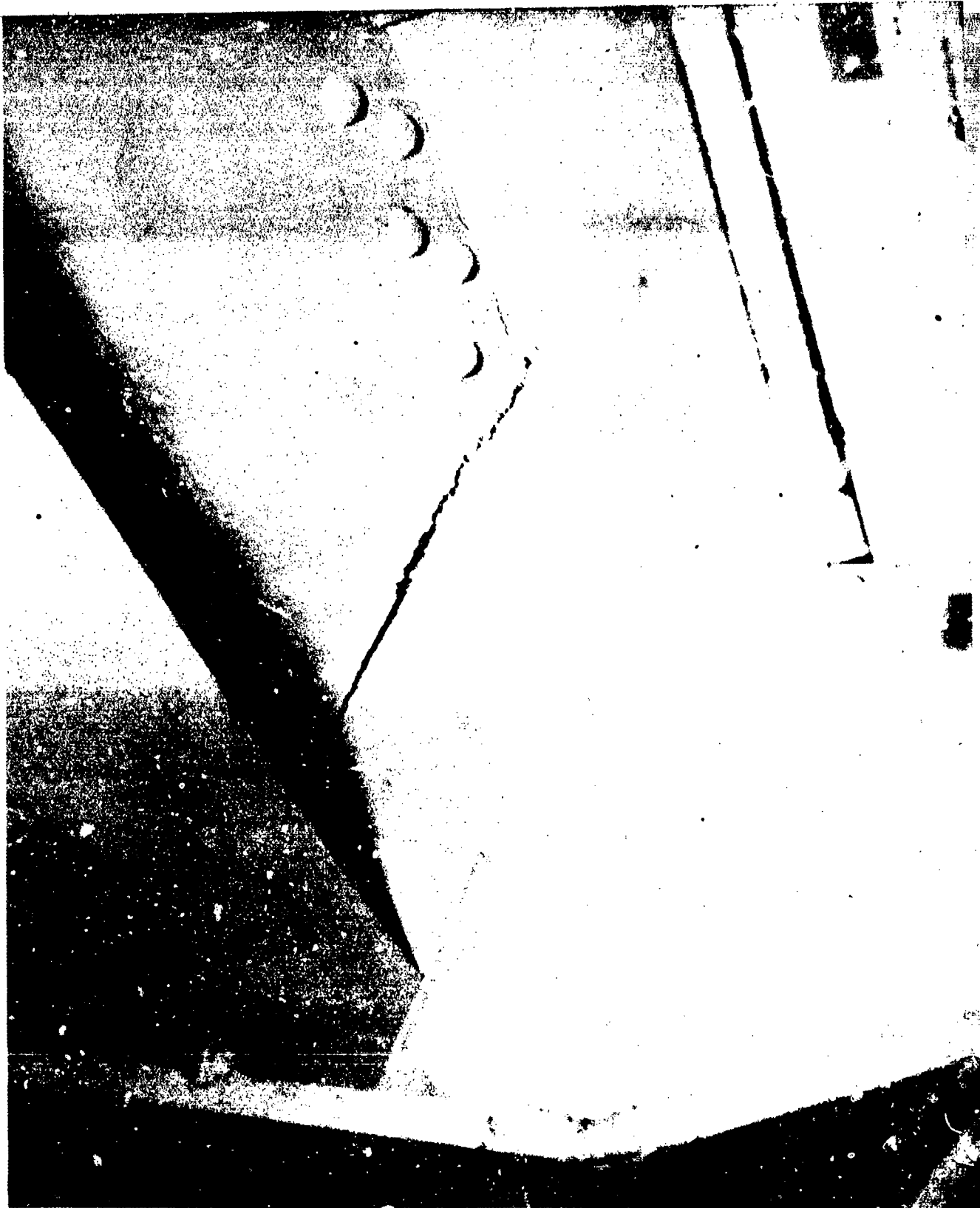
AA-CR-59-2088-6. Second deck, B-203-L, port side passage, looking aft, showing failure of transverse main deck beam 88. Shear failure in beam is possible result of access hole for pipes. Fore and aft bulkhead not buckled.

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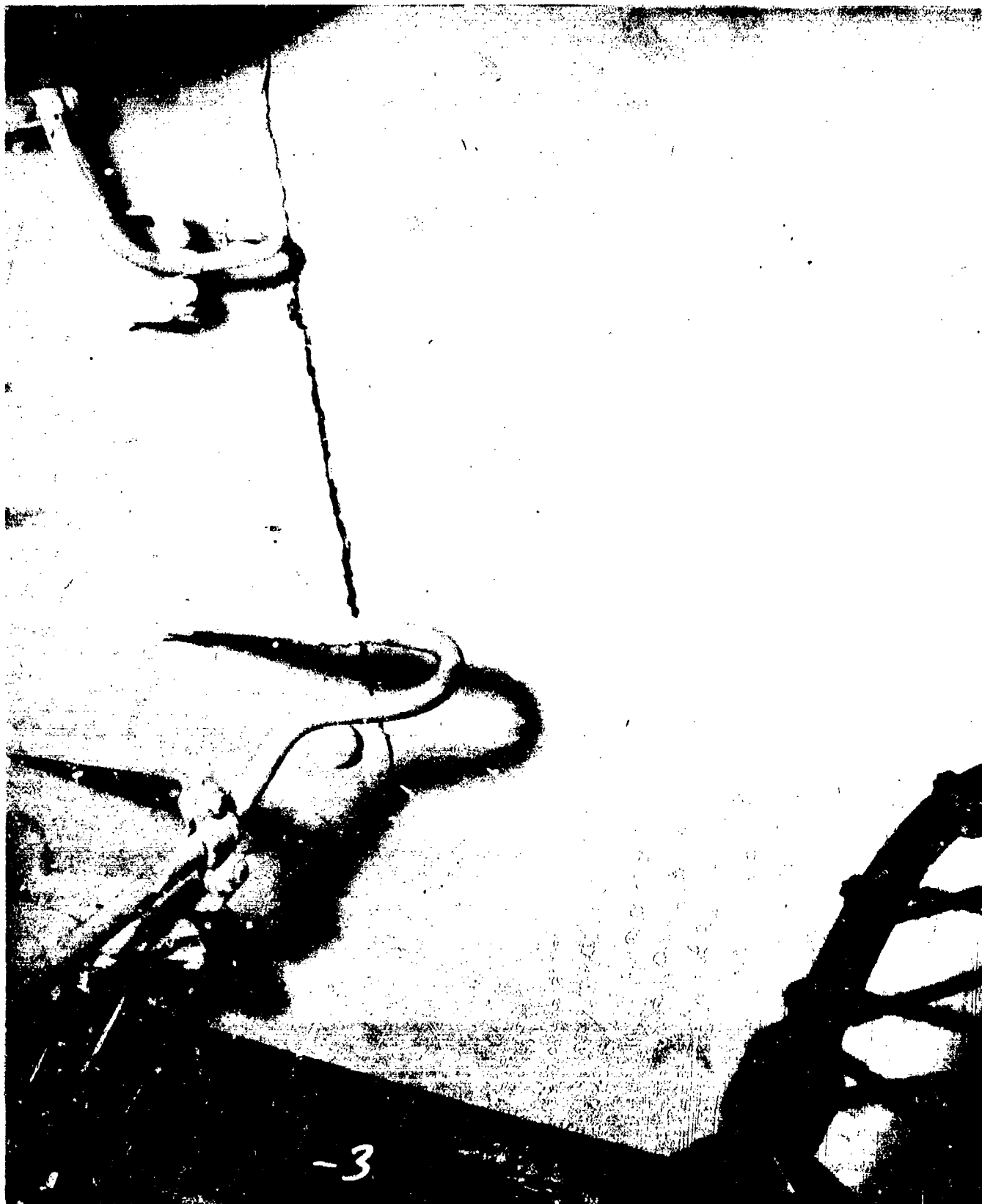


AA-CR-59-2164-2. Second deck, B-203L. Failure of arc welded connection between port web frame 89 and S.T.S. stringer strake. Looking aft and outboard.

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AA-CR-59-2164-3. Second deck, B-203-L. Failure of arc welded connection between port web frame 89 and S.T.S. stringer strake. Looking forward and outboard.

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AA-CR-59-2088-7. Second deck, B-203-L. Failure of arc welded connection between port web frame 89, and S.T.S. stringer strake. Looking aft and outboard.

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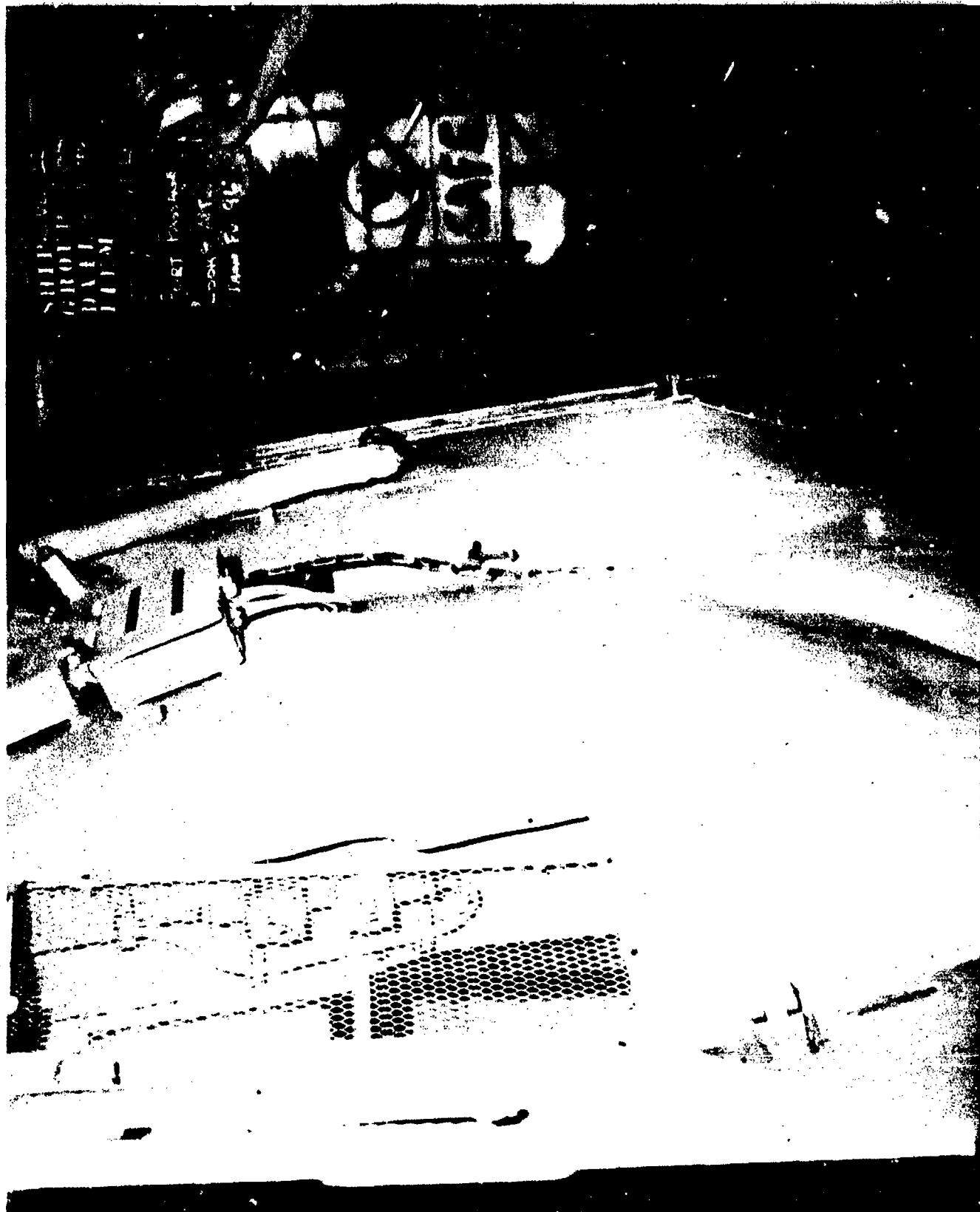
AA-CR-175-2133-9. Second deck, B-203-L. Port side passage, looking aft at bulkhead 91. Note W.T. door.

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AA-CR-175-2132-11. Second deck, B-204-1L, crews galley, port side passageway, inboard riveted metal joiner bulkhead showing bulging of panels caused by depression of main deck structure overhead. Frames 93 to 98, looking inboard and aft.

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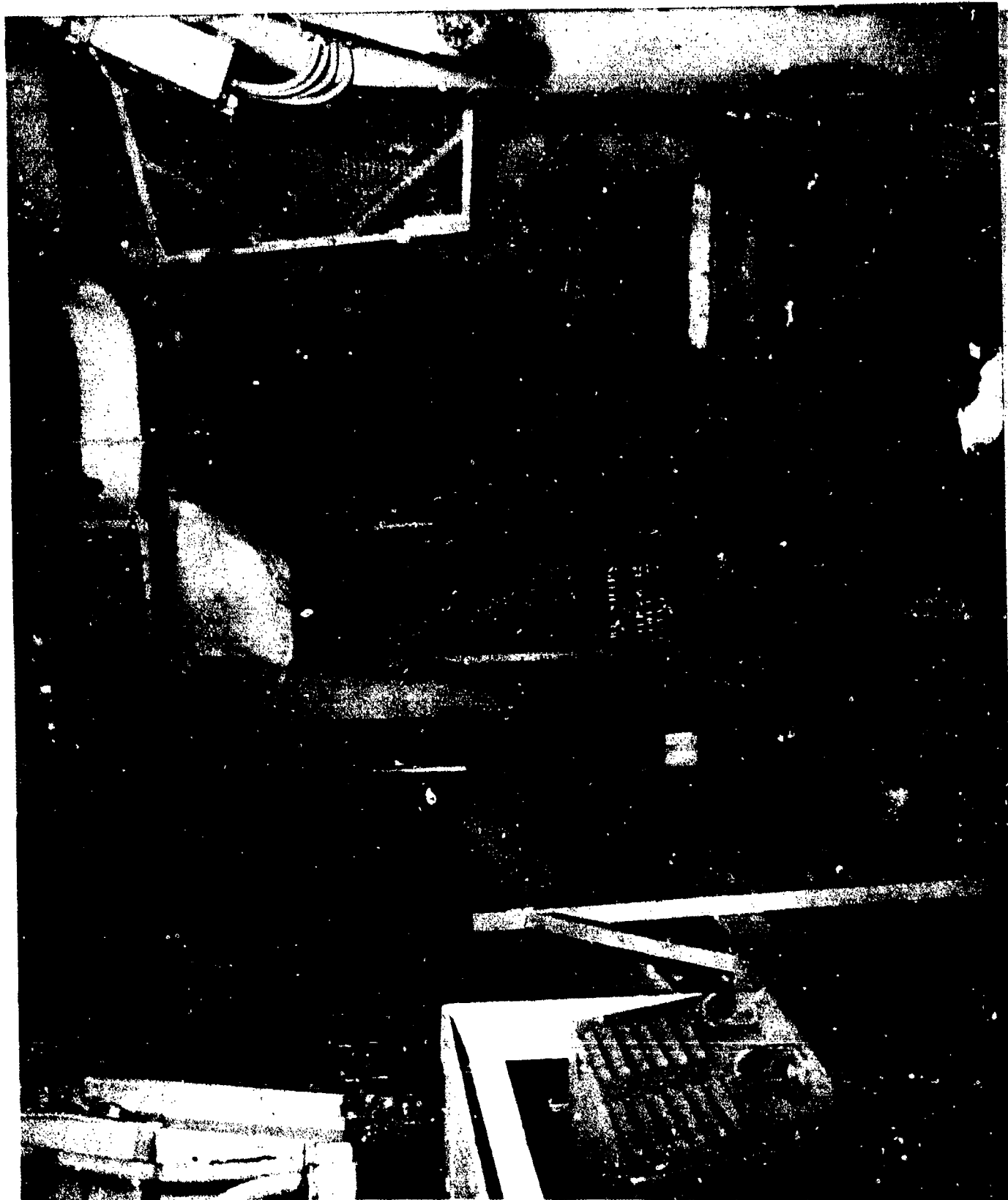
AA-CR-175-2132-12. Second deck, B-204-1L. Crews galley, port side passageway, inboard joiner bulkhead showing bulging of panels caused by depression of overhead main deck structure, and bulging of spotwelded inboard vertical ventilation duct caused by air blast. Frames 92 to 101, looking aft.

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AA-CR-175-2133-1. Second deck, B-204-1L. Port side passageway, showing metal joiner bulkheads buckled by downward movement of main deck and ventilation ducts bulged by air blast. Frames 93 to 101, looking aft.

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AA-CR-175-2133-3. Second deck, B-204-1L. Starboard passageway, showing provision issue room riveted joiner bulkheads buckled by depression of the main deck structure overhead. Looking forward and outboard. Frames 95 to 91.

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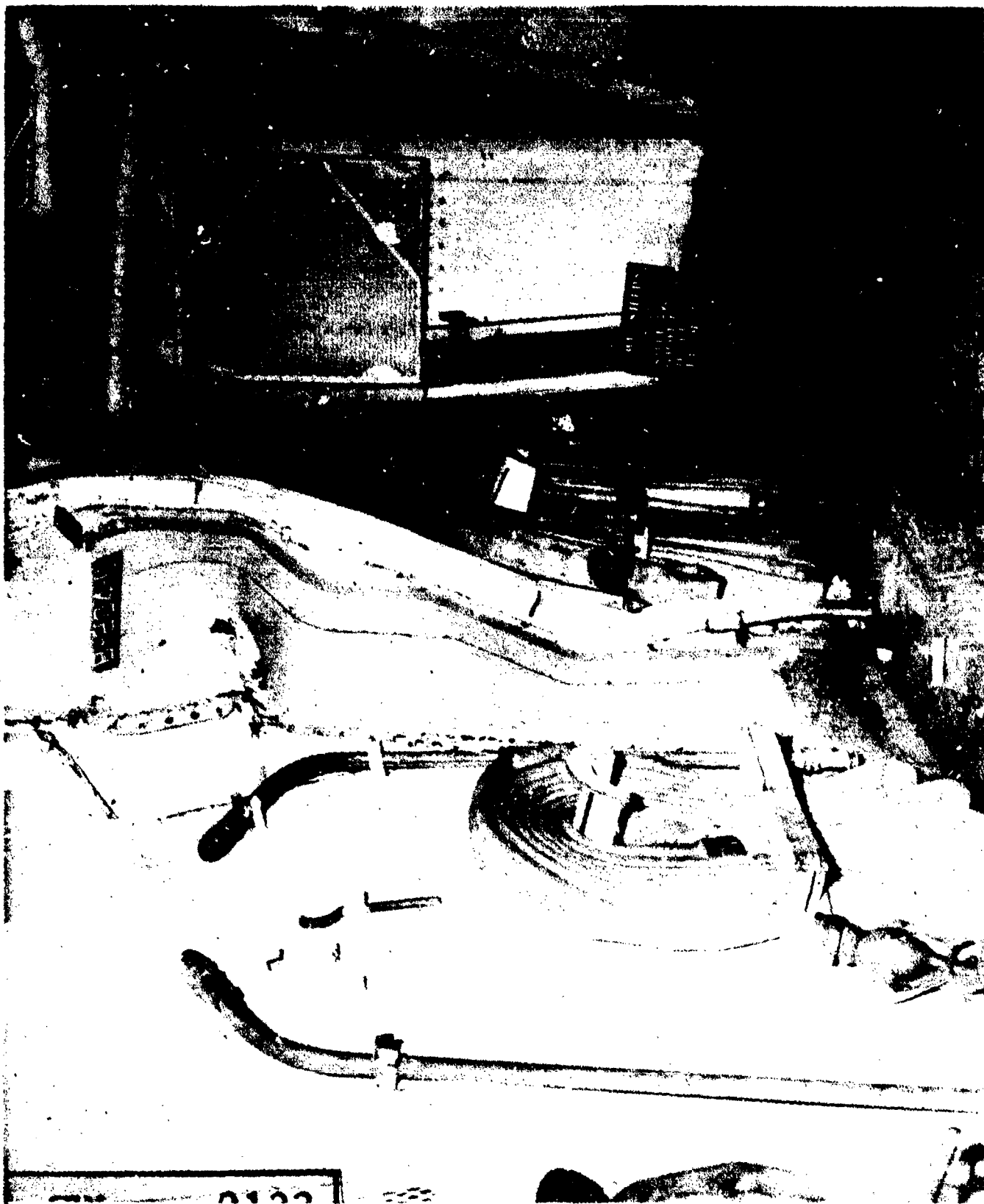


AA-CR-175-2133-4. Second deck, crews galley, frame 97, looking to starboard from centerline at dumb waite, trunk and oven.

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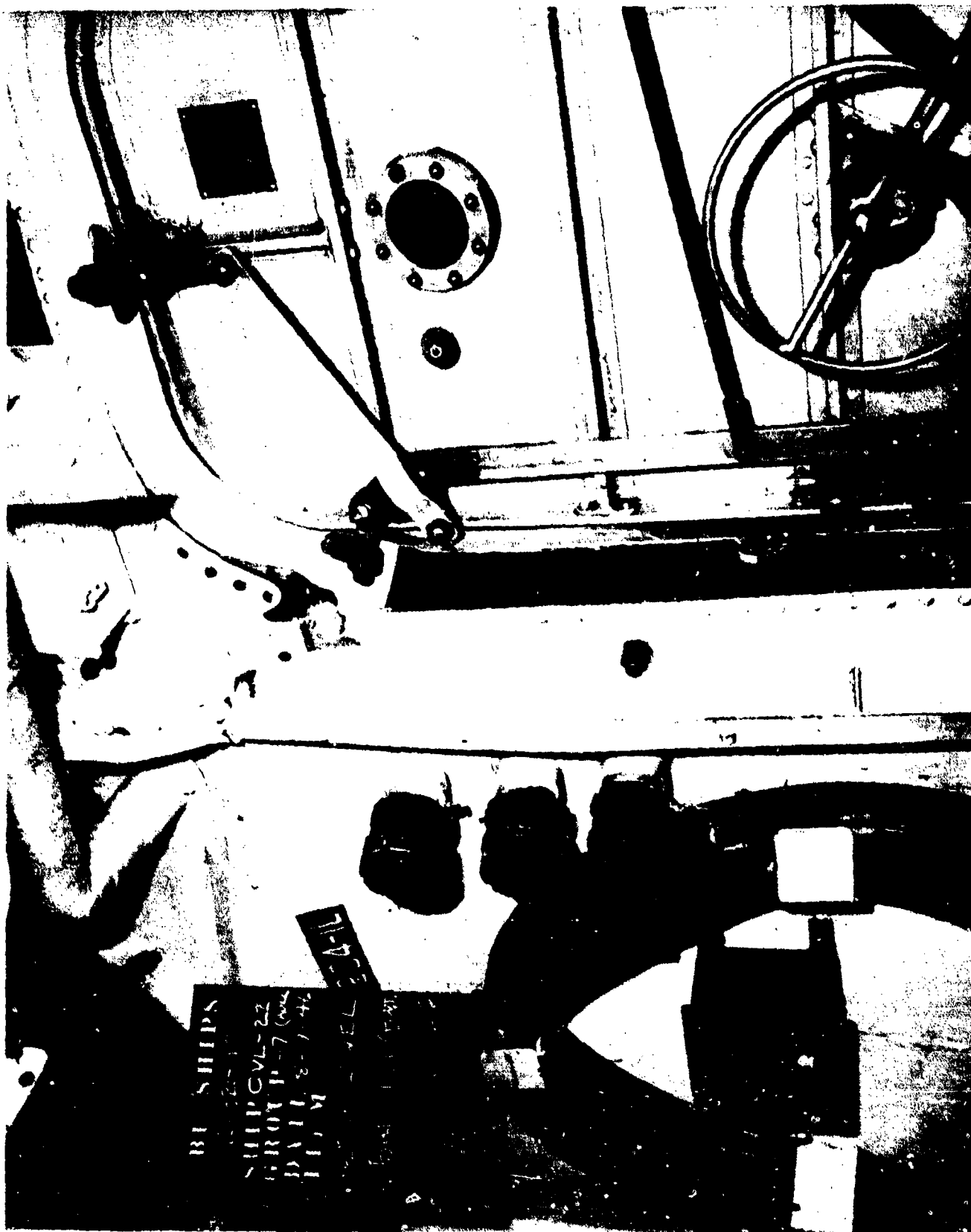
AA-CR-175-2133-2. Second deck, B-204-1L. Starboard passageway, showing buckling of metal joinder bulkheads and ventilation trunk in galley caused by the depression of the main deck structure. Looking inboard and forward.

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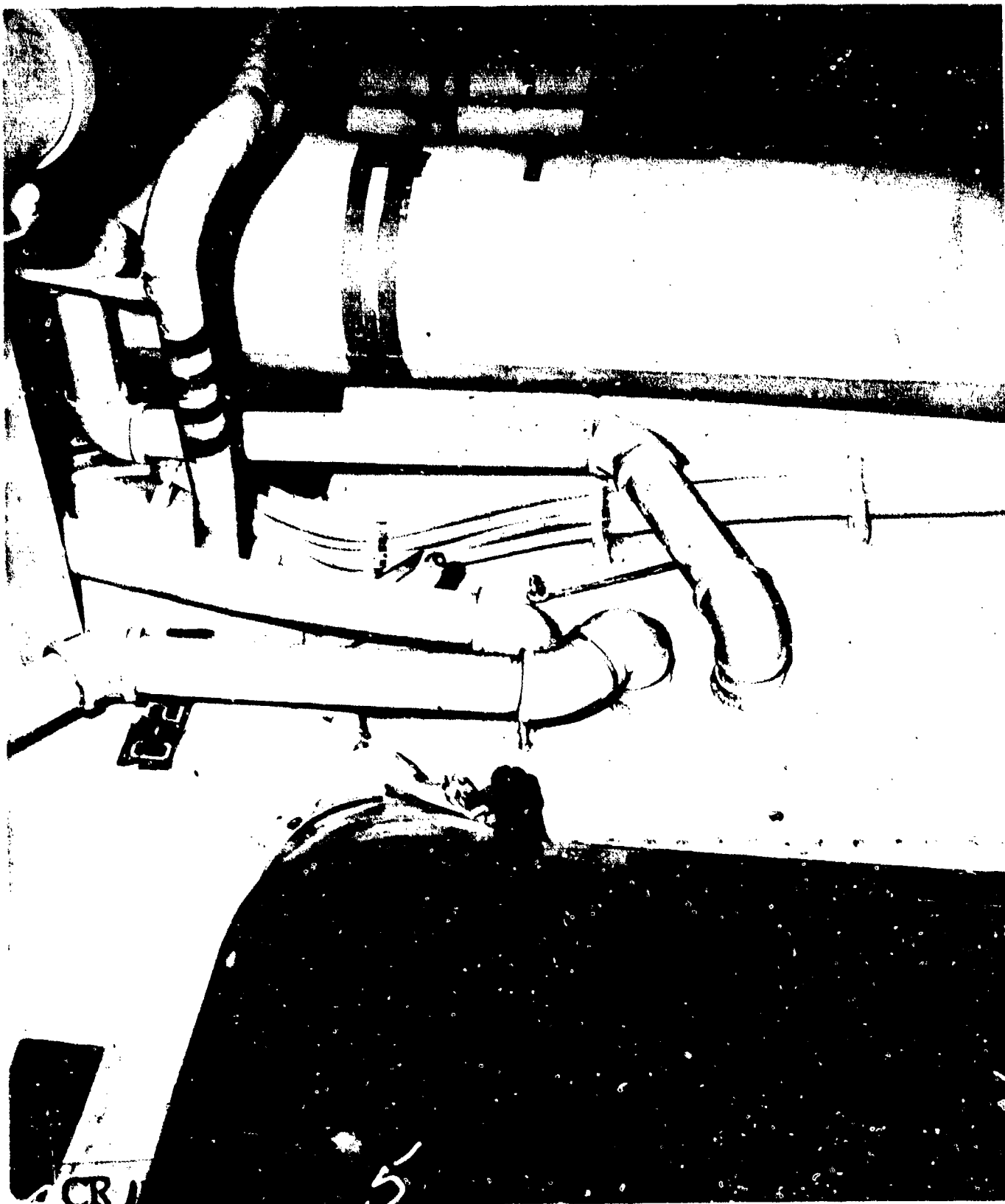


AA-CR-175-2132-10. Second deck, looking aft on port side at W.T. door in bulkhead 101. Note condition of bulkhead for opposite side, see 2115-5.

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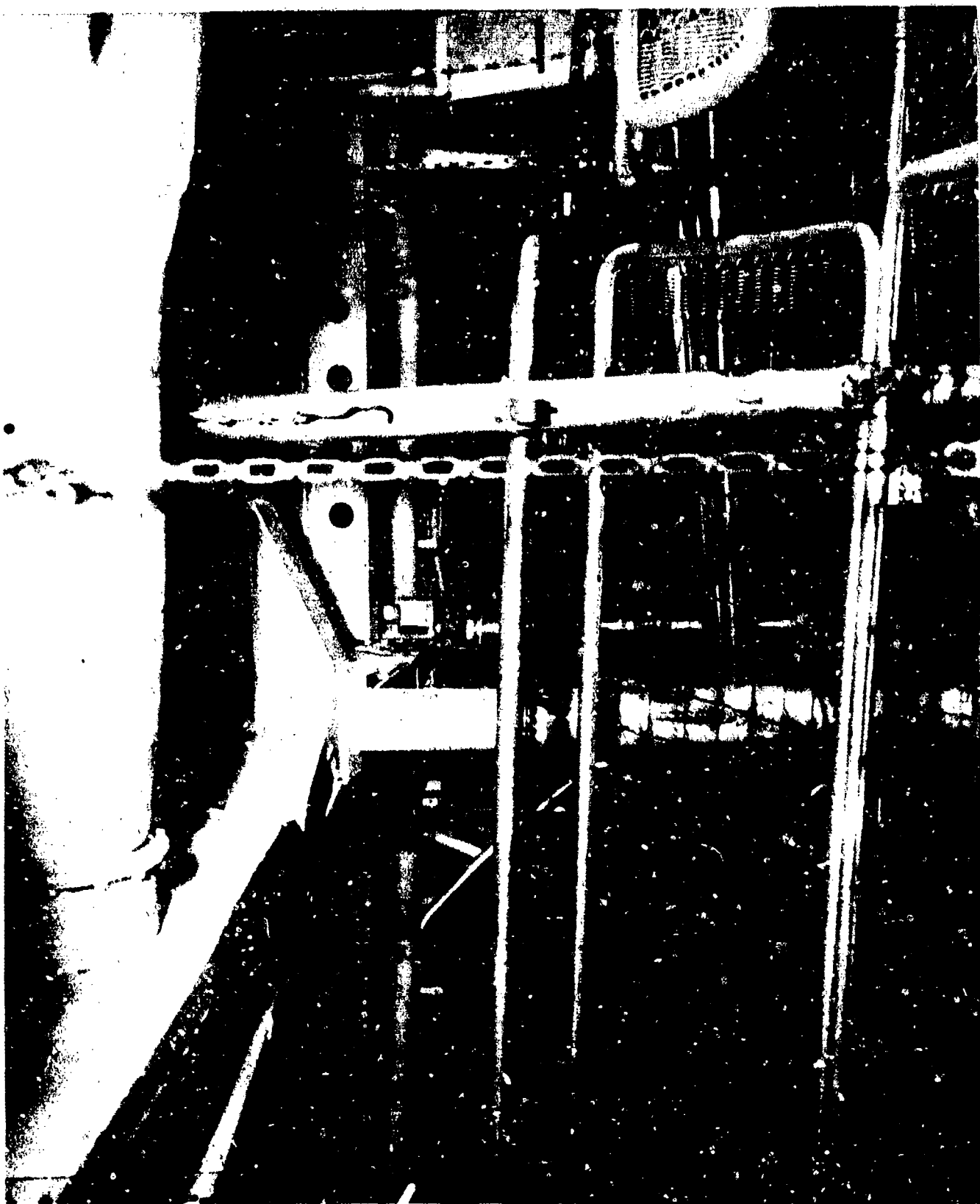
AA-CR-175-2115-5. Second deck, C-201-L. Looking forward on port side at W.T. door and bulkhead 101. Note buckle across top of door. For opposite side, see 2132-10.

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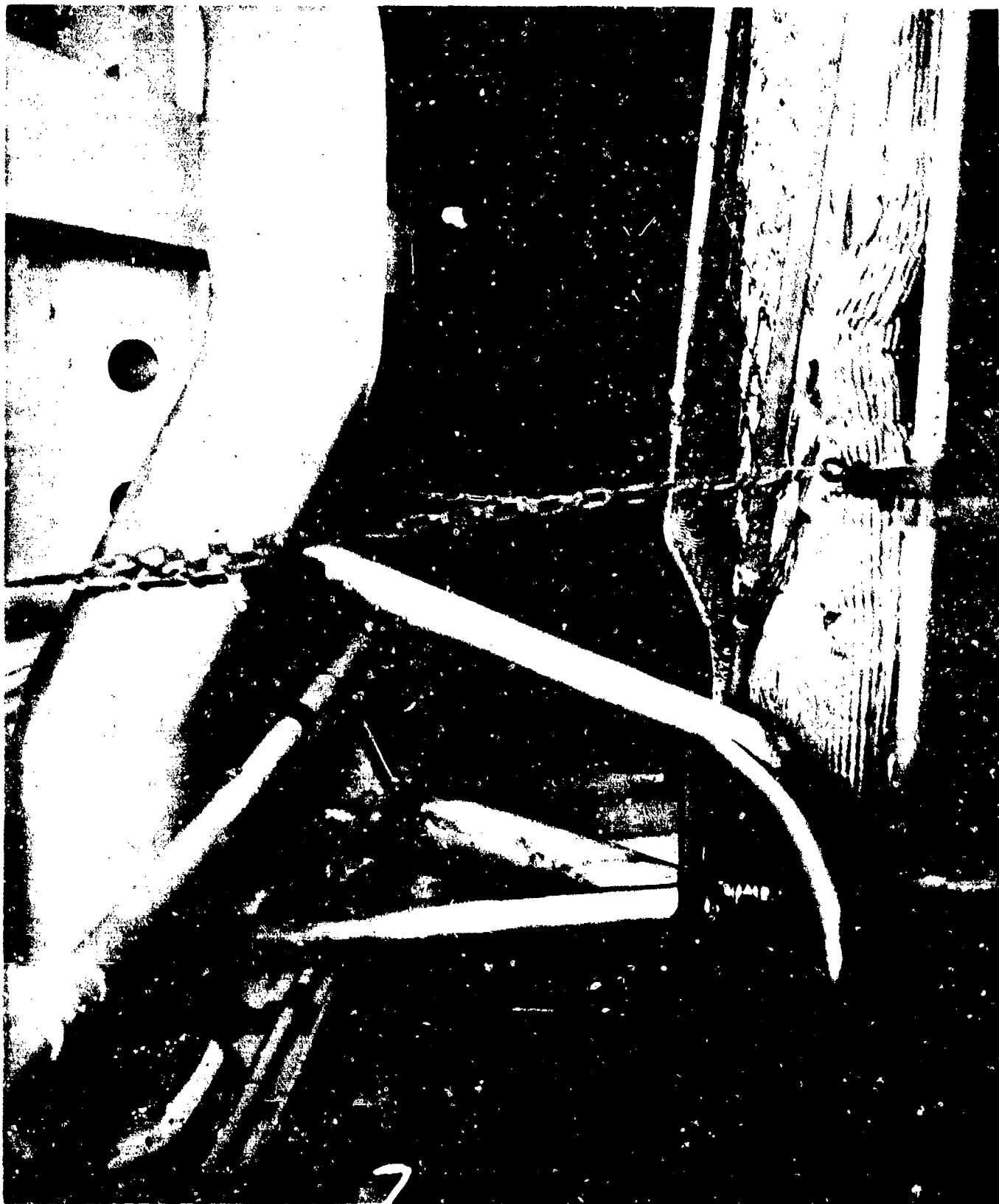
AA-CR-175-2115-6. Second deck. C-201-L, crews berthing, showing buckled transverse main deck beam at frame 103. Looking forward and to starboard.

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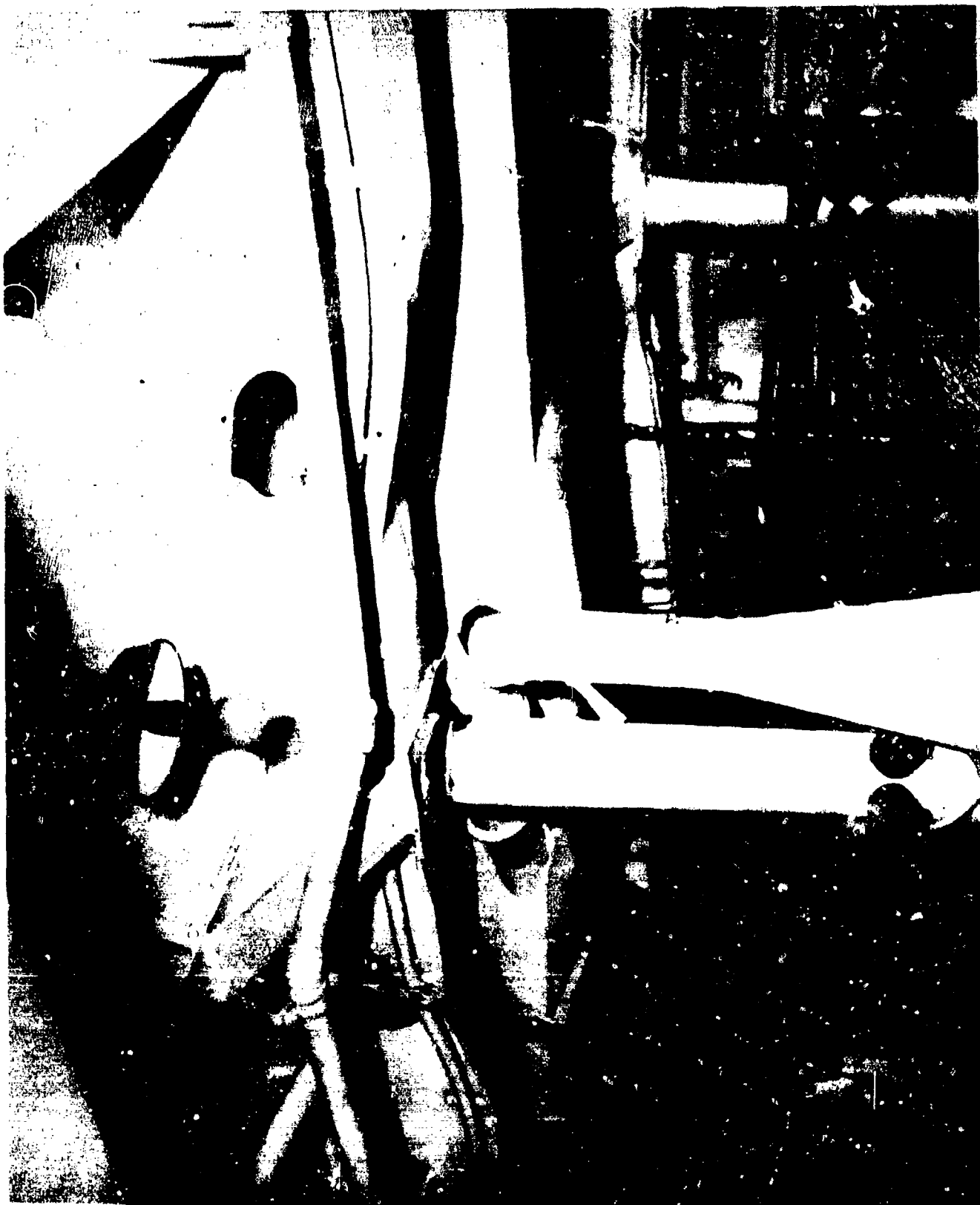
AA-CR-175-2115-7. Second deck, C-201-L, showing buckled centerline stanchion at frame 106. Looking to starboard.

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AA-CR-175-2132-9. Second deck, C-201-L. Crews berthing, showing buckled transverse beam and centerline stanchion at frame 106. Note failure of stanchion weld, failure of ventilation duct and pronounced weakening effect of lightning hole in web of transverse beam. Looking forward and to port.

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AA-CR-175-211b-8. Second deck, C-201-L, looking to starboard at frame 108.

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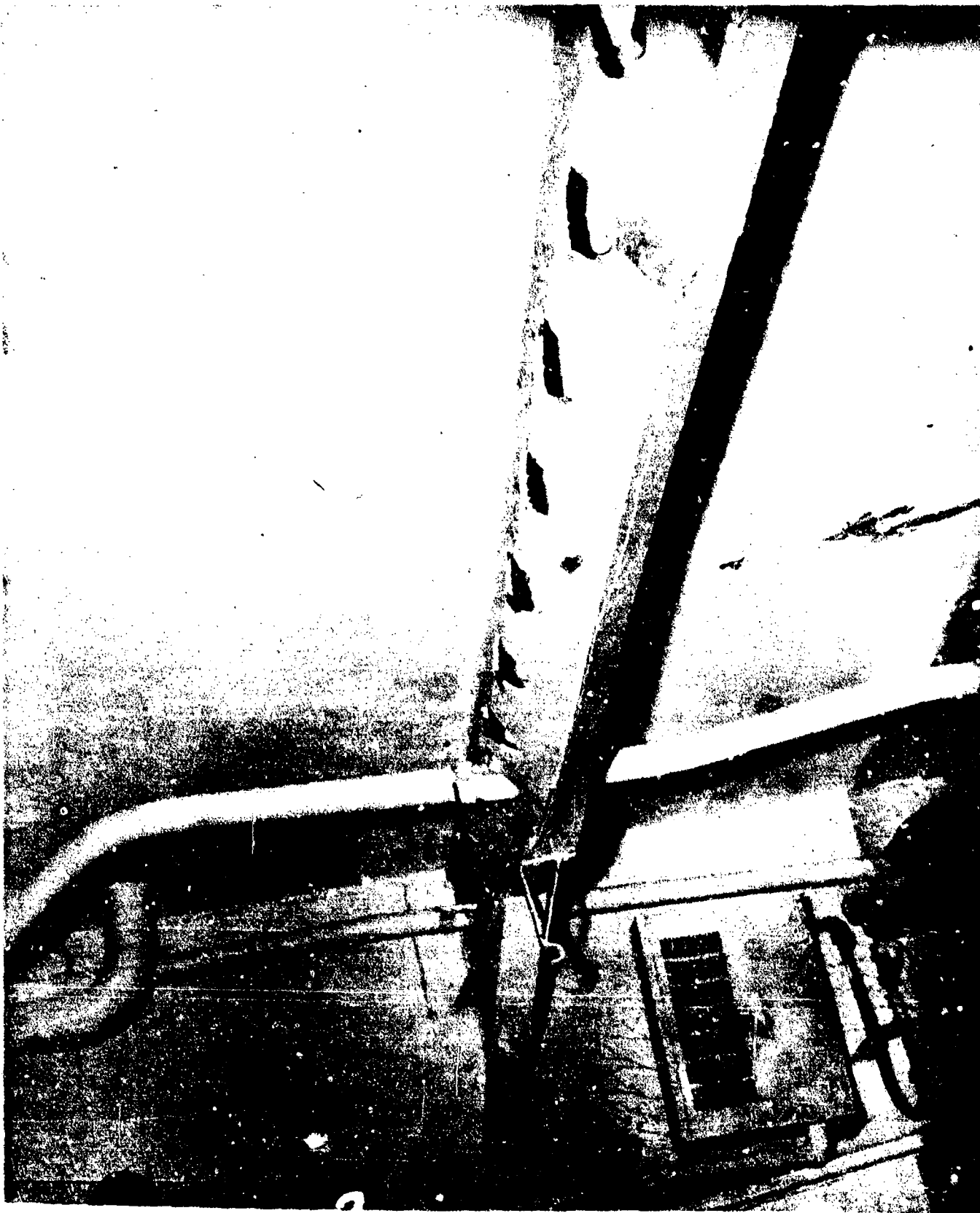
AA-CR-59-2112-3. Second deck, C-201-L, looking forward at frame 106, starboard side.

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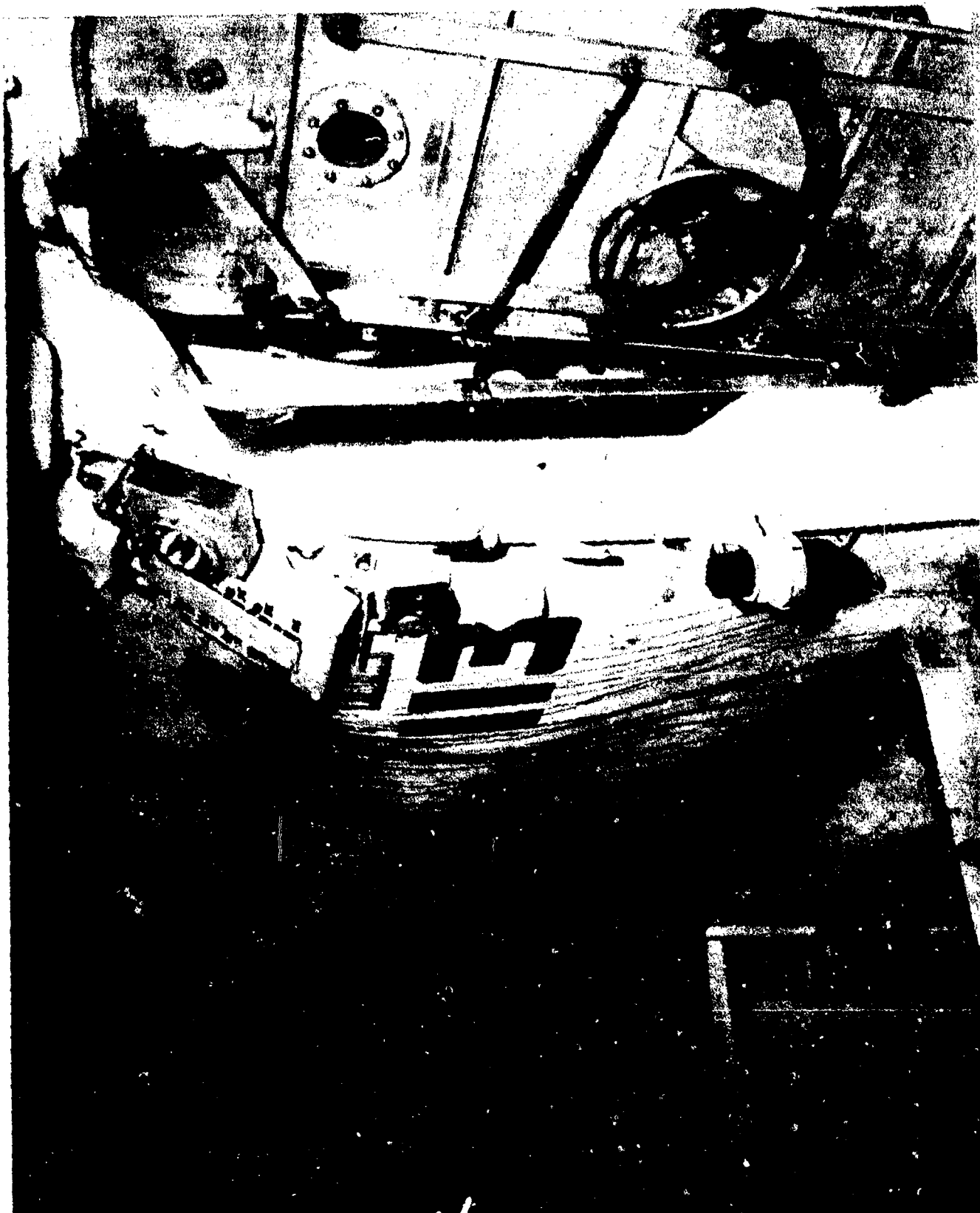


AA-CR-59-2112-2. Second deck, C-201-L. Port shell stringer forward of bulkhead 113.

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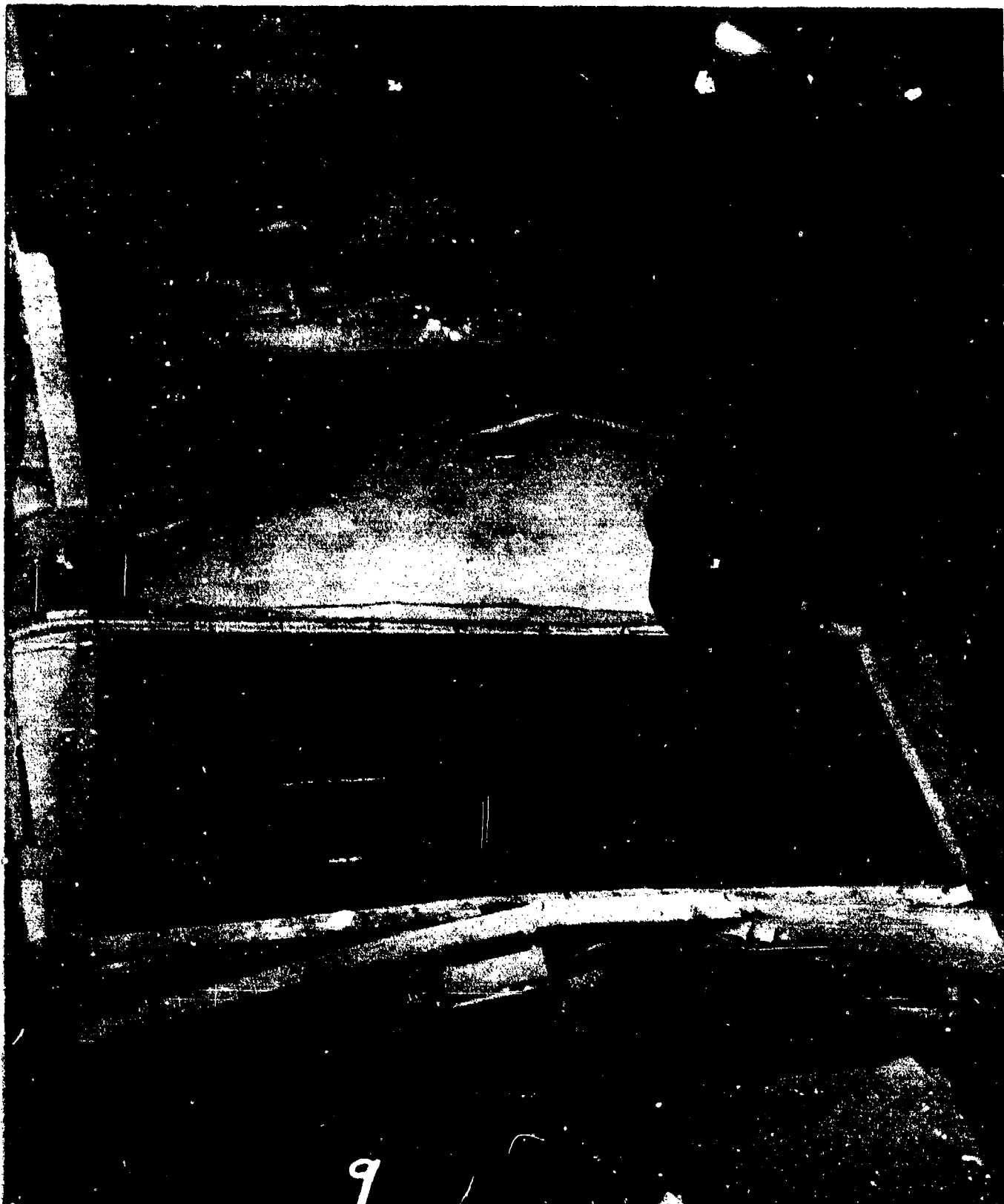
AA-CR-175-2115-11. Second deck, C-202-L. After face of bulkhead 113, looking to port.

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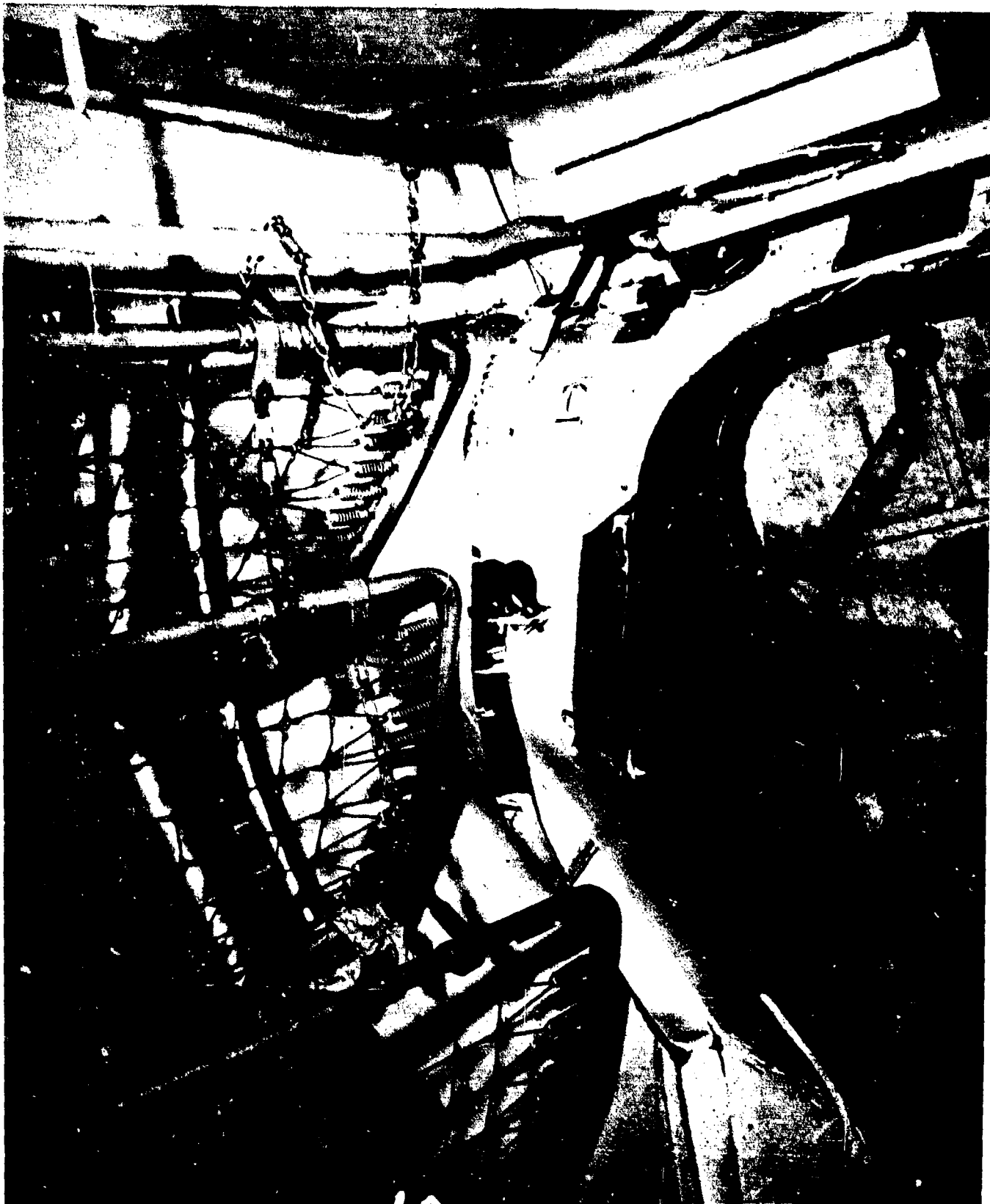
AA-CR-175-2115-9. Second deck, C-201-L, looking aft and inboard at elevator valve enclosure on centerline. Note buckled transverse W.T. bulkhead at frame 113 and damage to joiner bulkhead forward of frame 113.

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AA-CR-175-2115-10. Second deck, C-202-L, looking aft at port side of bulkhead 119.

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AA-CR-175-2116-11. Second deck, C-203-L. Crews berthing. Showing deformation of main deck transverse beam at frame 122, and failure in butt weld at intersection with number 3 port side longitudinal. Looking to starboard and forward.

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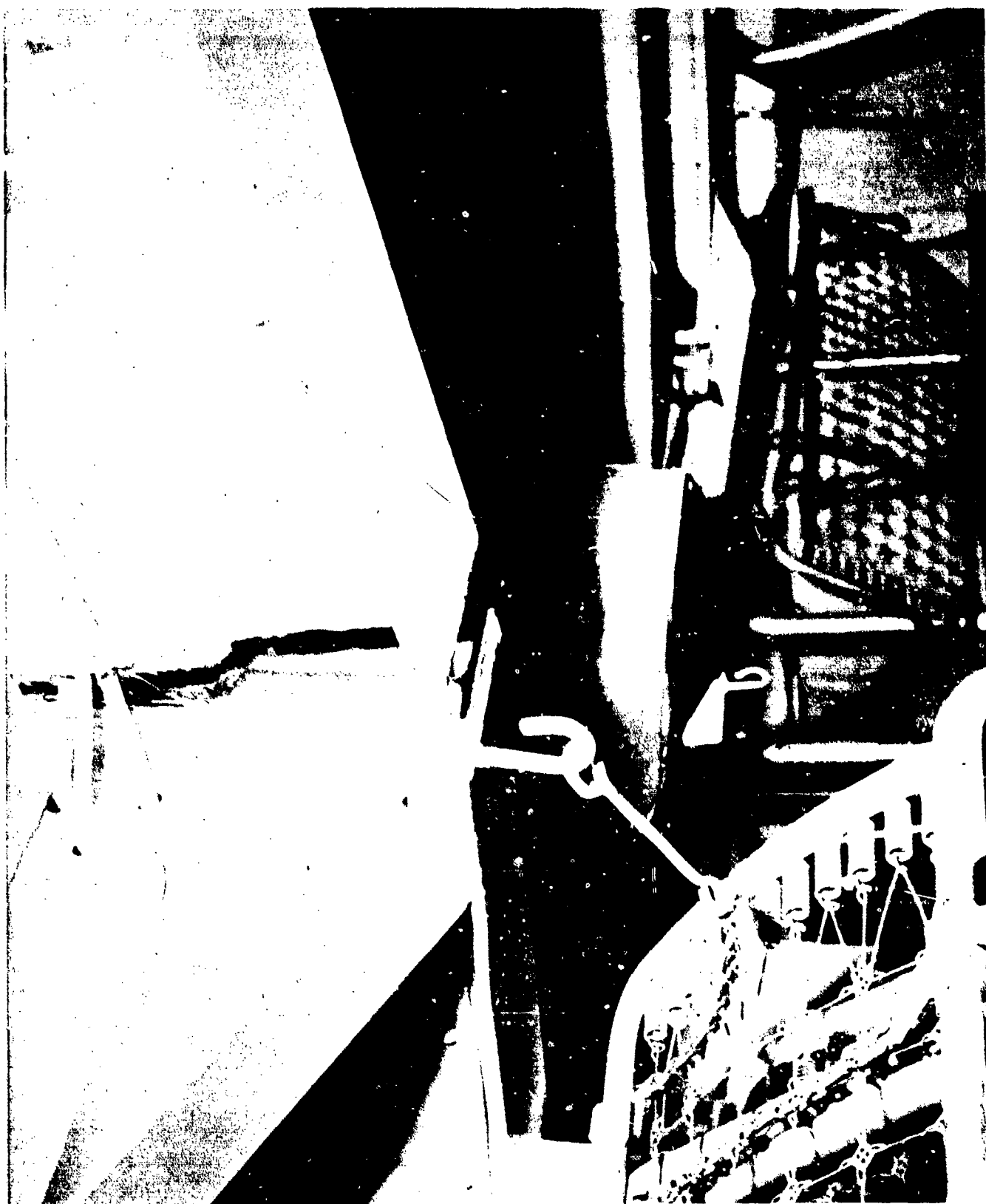
AA-CR-59-2113-12. Second deck, C-203-L, crews berthing, showing failure at frame 122 of transverse beam in butt weld below notch for port side main deck longitudinal number 3. Looking forward and to port.

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AA-CR-59-2164-1. Second deck, C-203-L. Crews berthing. Failure at frame 122 of transverse beam in butt weld below notch for port side main deck longitudinal number 3. Looking aft and inboard.

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AA-CR-175-2116-10. Second deck, C-203-L. Frame 125. Looking to starboard from centerline at longitudinal 4.

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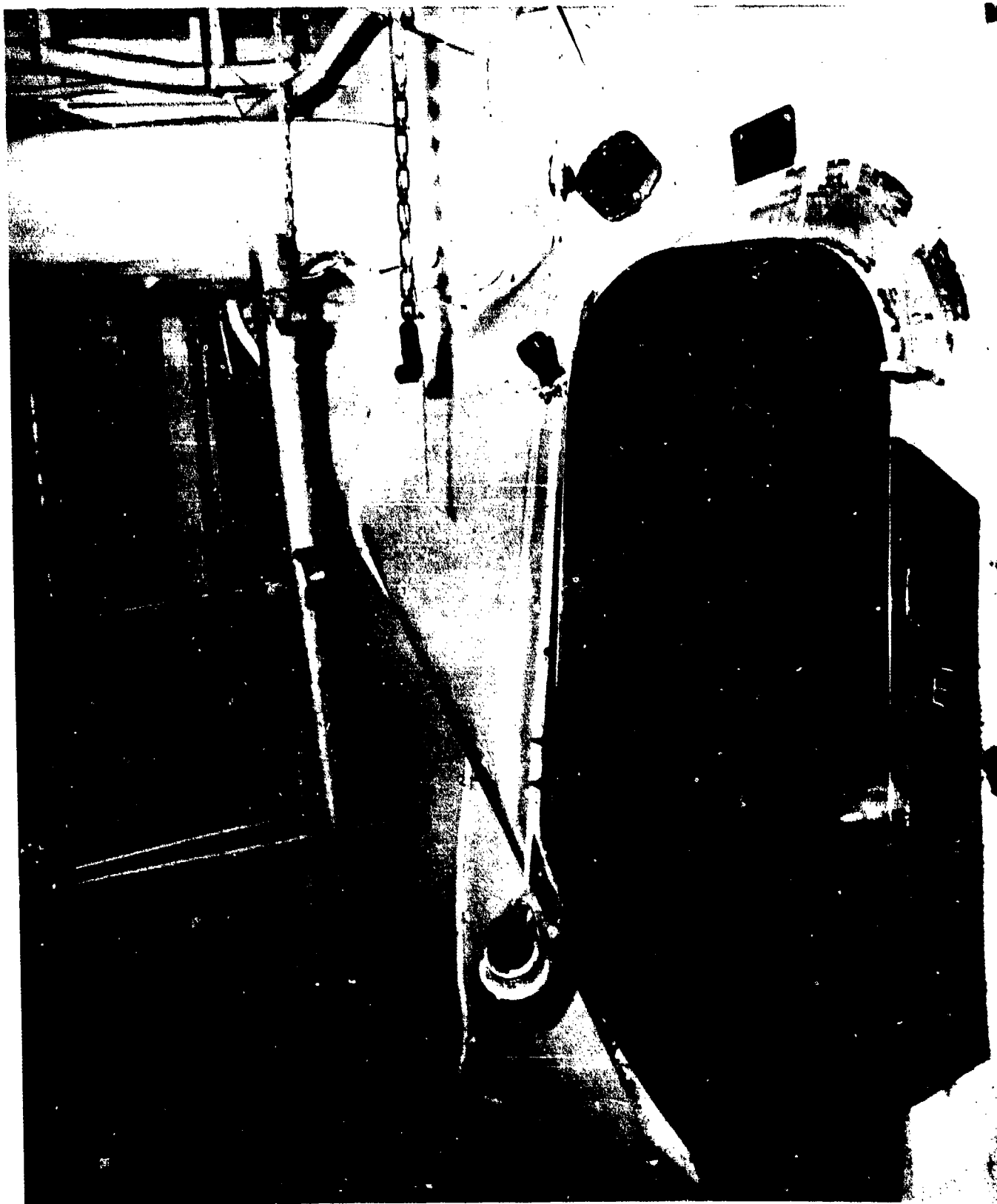
AA-CR-175-2116-6. Second deck, C-203-L, port side looking forward from bulkhead 126. Note buckled deck.

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AA-CR-175-2116-8. Second deck, C-203-L. Looking inboard and aft at bulkhead 126.

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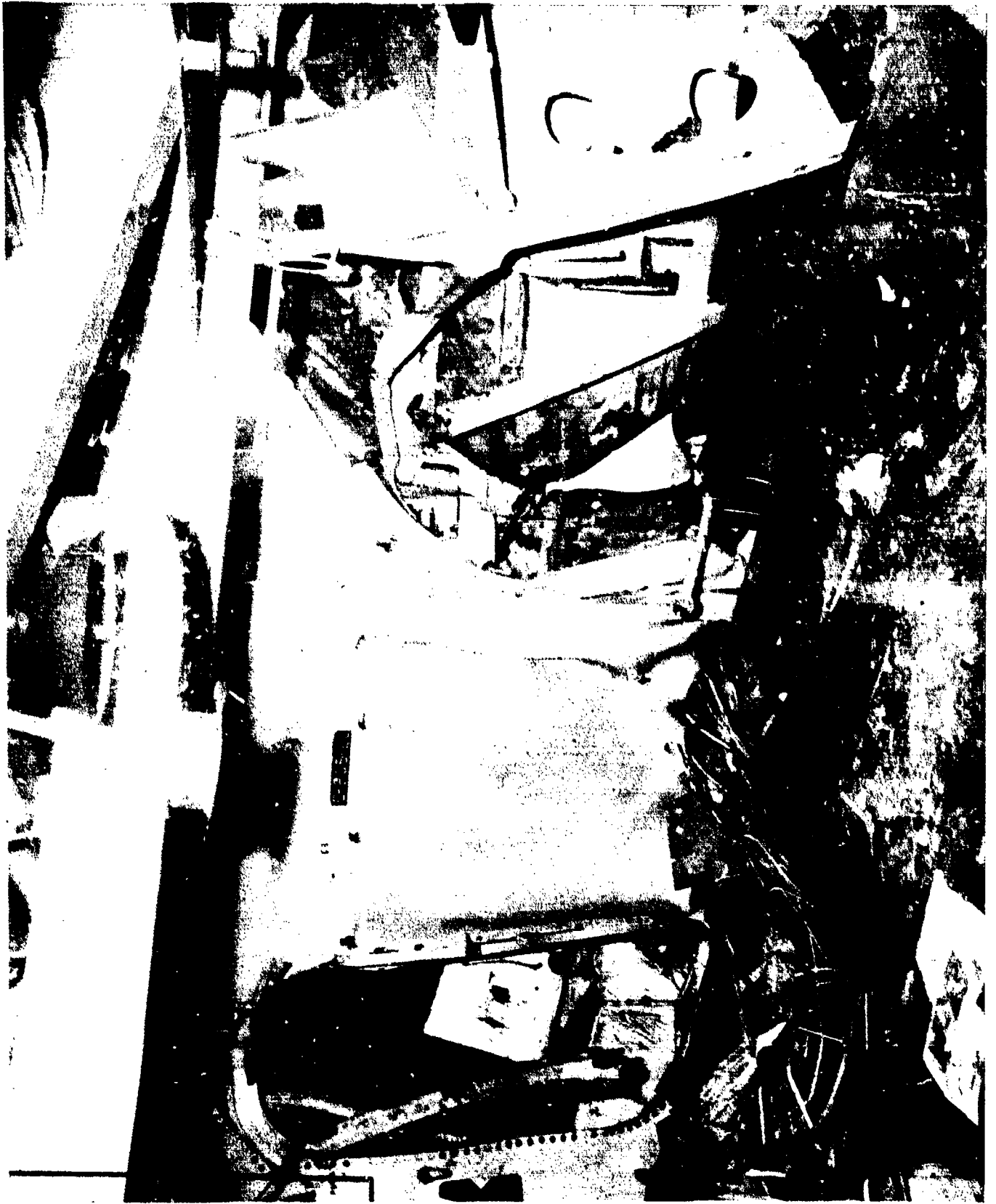


AA-CR-175-2116-7. Second deck, C-203-L. Looking to port and aft at bulkhead 126.

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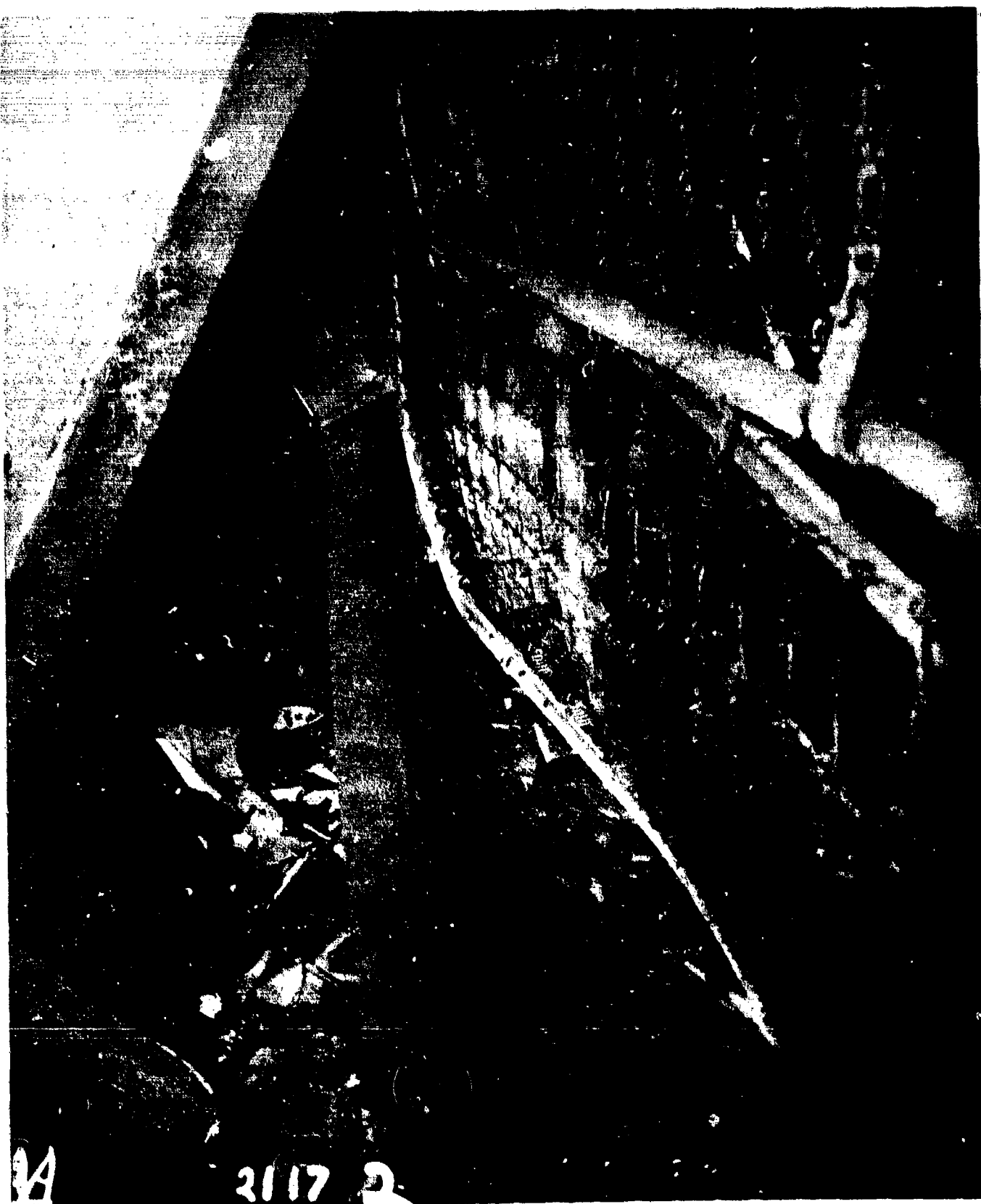
AA-CR-175-2117-8. Second deck, looking aft at bulkhead 138 port side, showing longitudinal wrinkle in deck, tear in shell, and failure of weld at frame 137.

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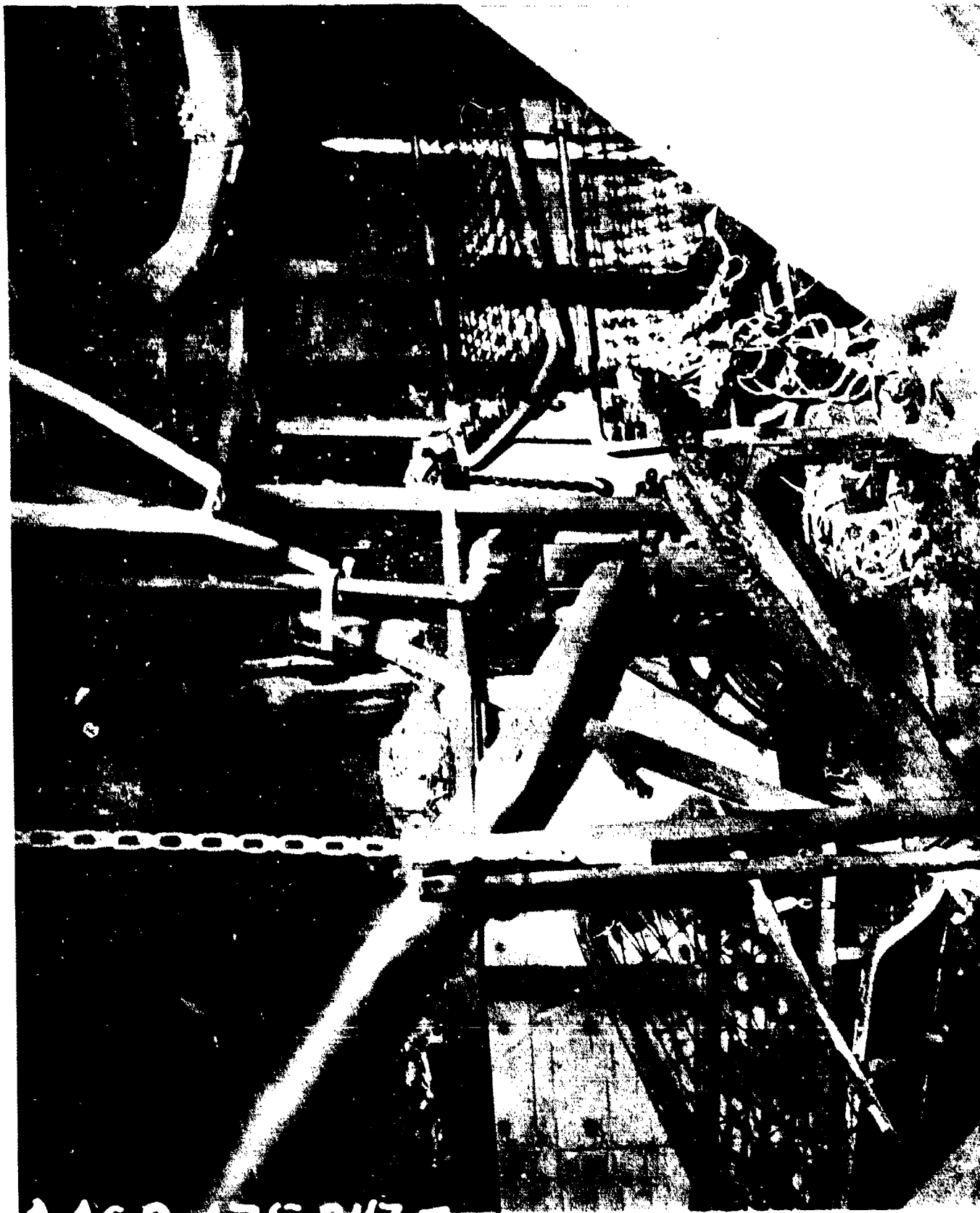
AA-CR-175-2117-2. Second deck. C-204-L. View of longitudinal wrinkle in deck, port side, looking forward.

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AA-CR-175-2117-7. Second deck, C-204-L, crews berthing, port side in way of frame 129, looking toward port side.

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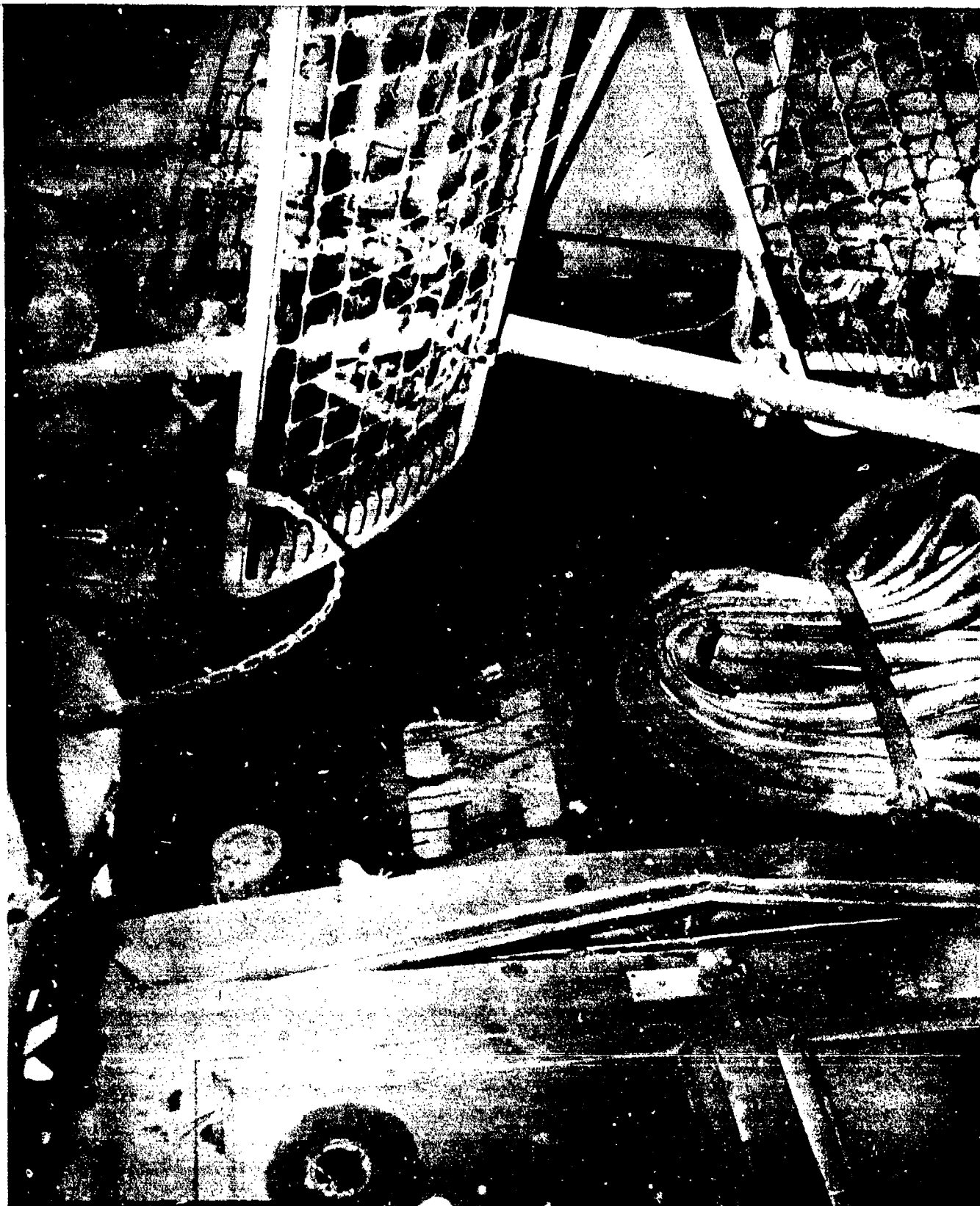


AA-CR-175-2117-4. Second deck, crews berthing space, C-204-L, showing broken main deck longitudinal and failure of fillet welds to deck plating.

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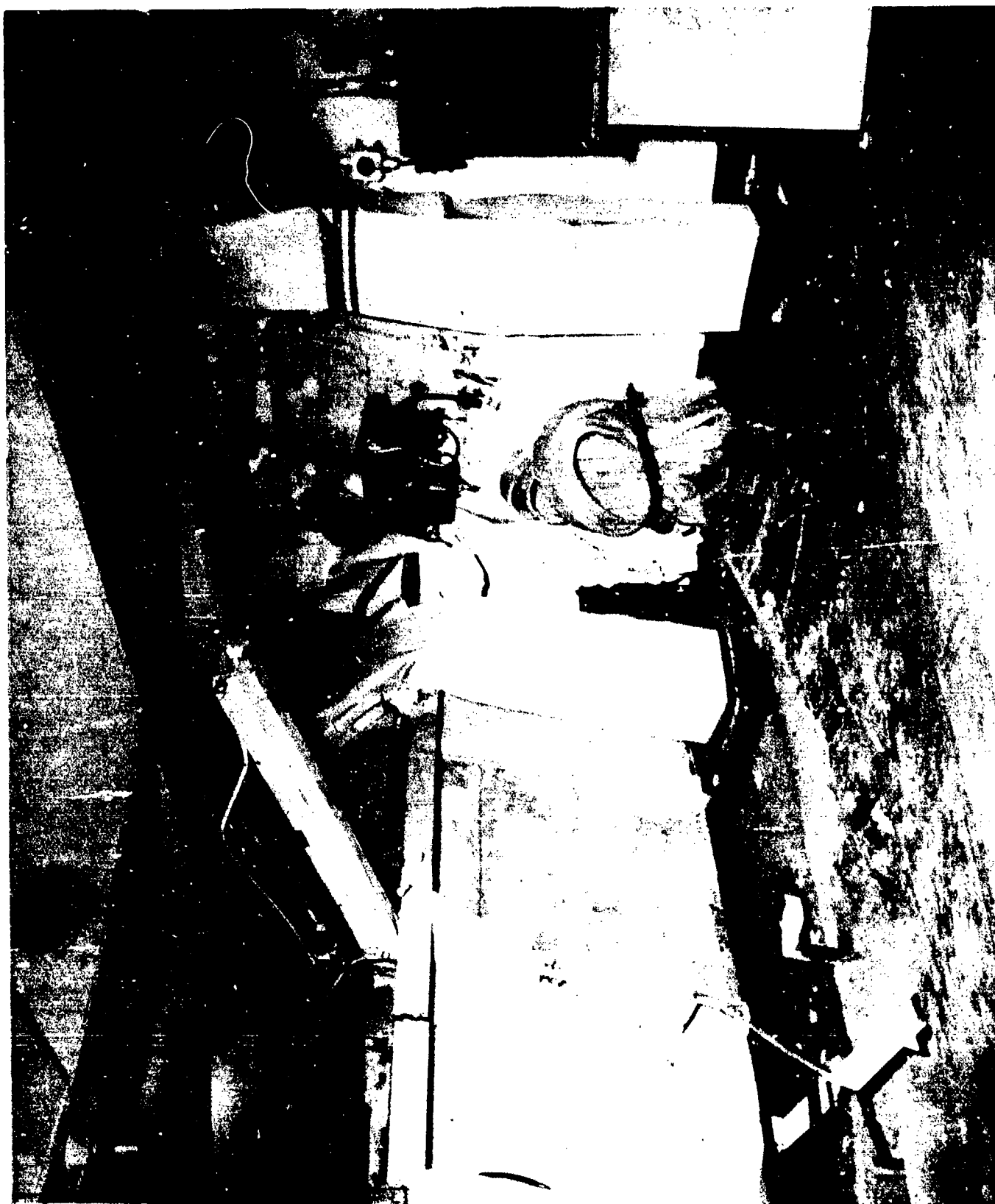
AA-CR-175-2117-3. Second deck. C-204-L. Bulkhead 132, port side, looking aft.

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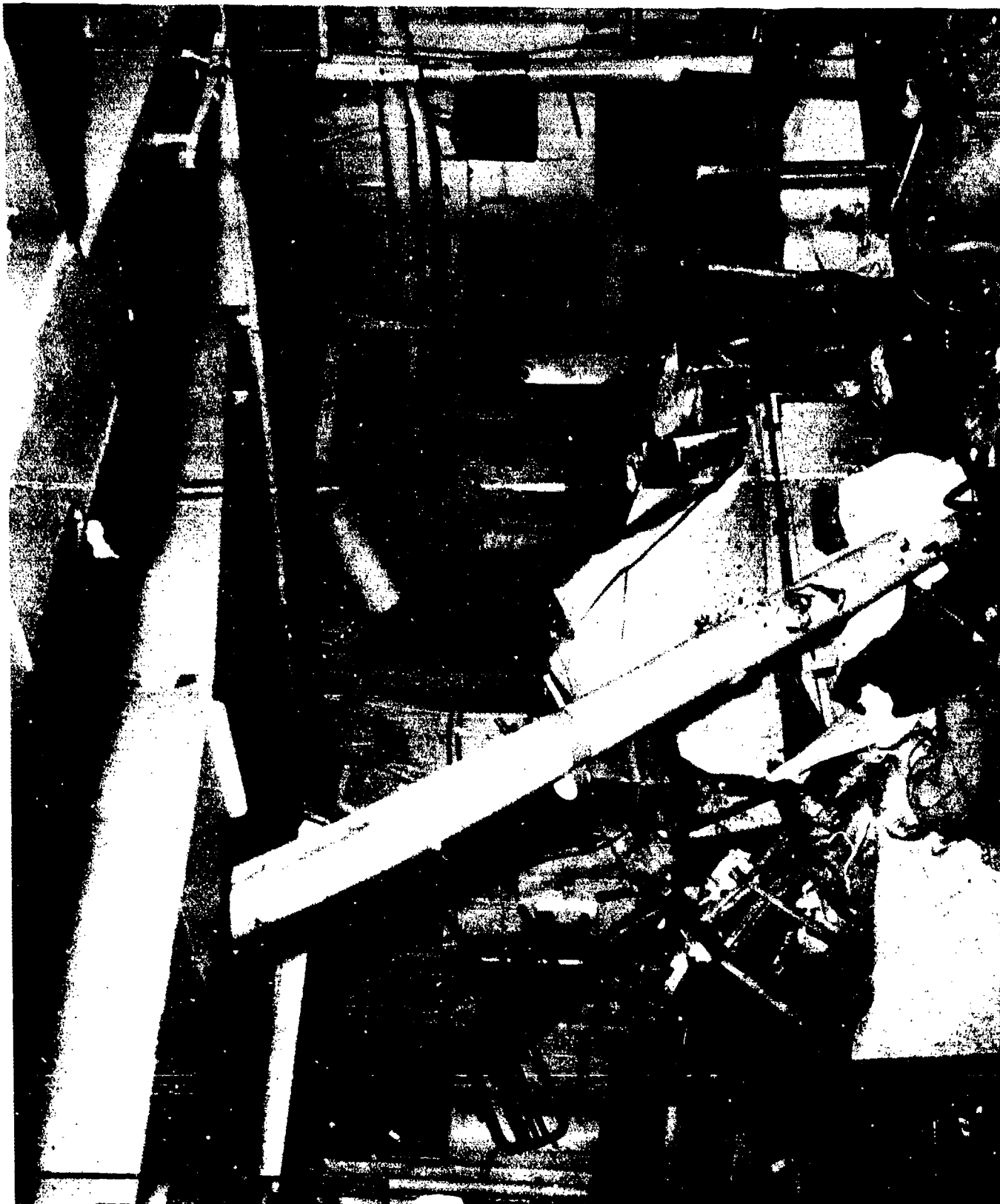
AA-CR-93-2071-1. Second deck, CPO messroom C-205-2L, showing buckled deck and transverse bulkhead at frame 132. Looking forward and to port. Note failure of welded butt in shell longitudinal.

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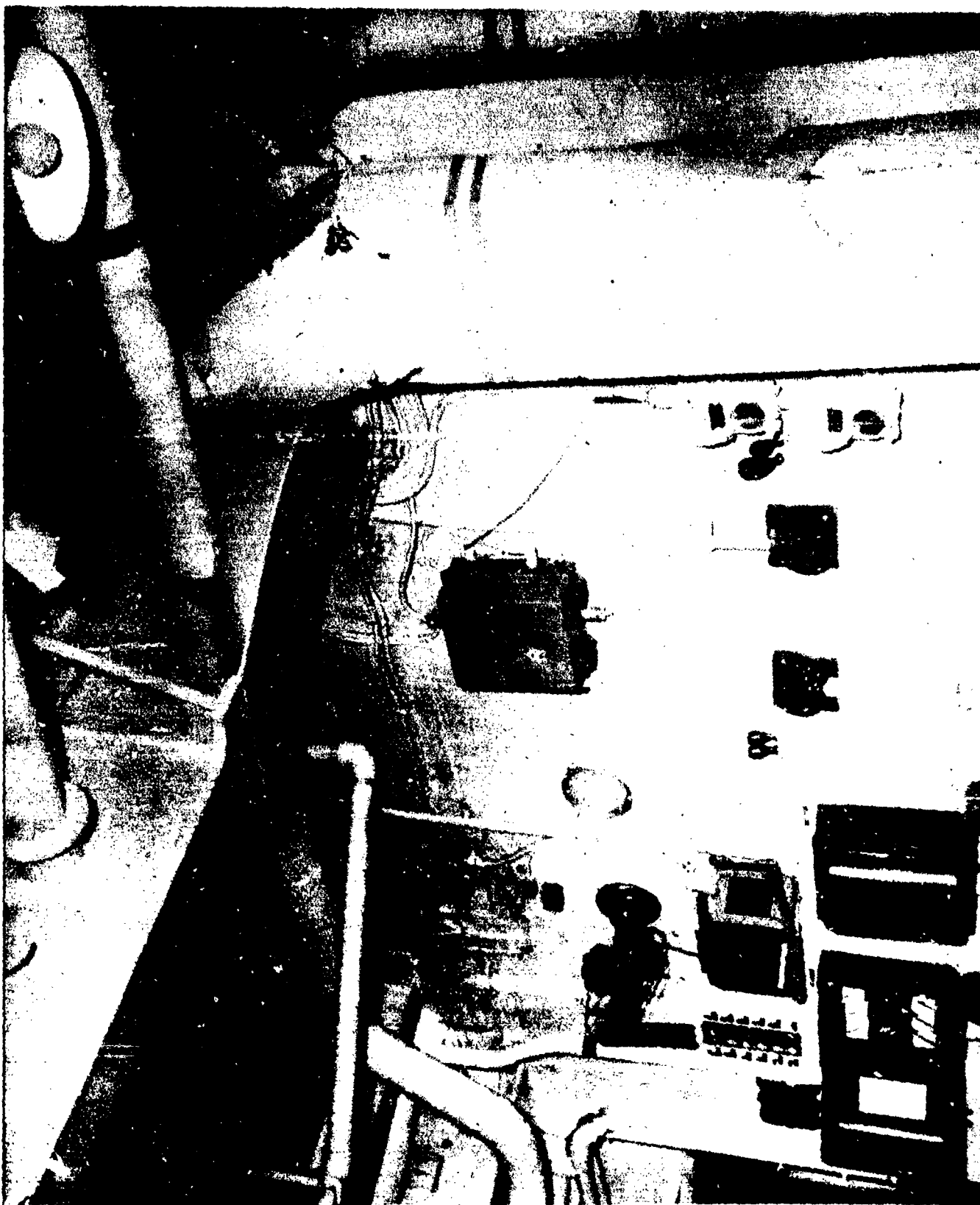
AA-CR-175-2117-9. Second deck, C-205-2L. General view, forward and starboard, of CPO mess.

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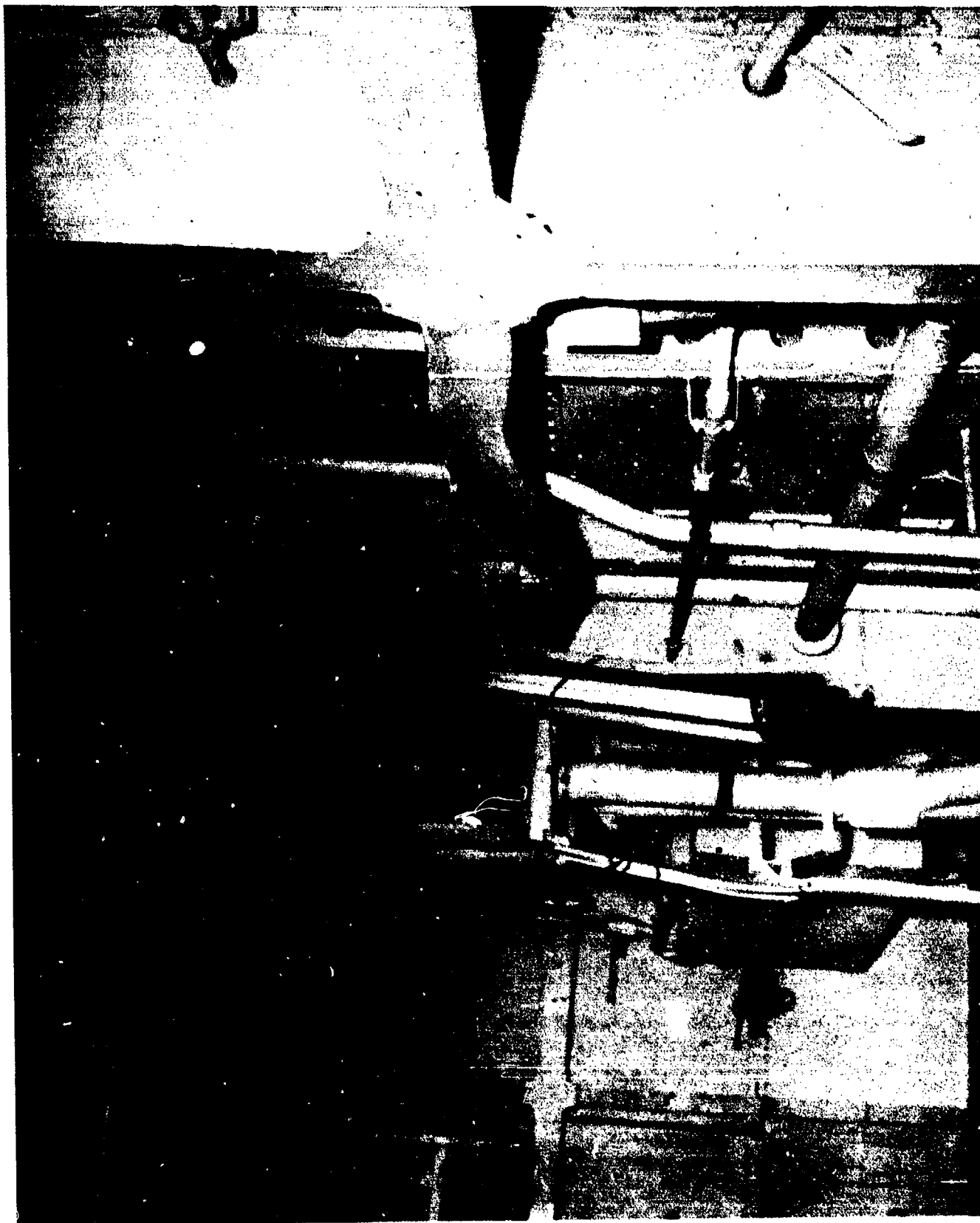
AA-CR-93-2071-4. Second deck, C-205-2L. Looking aft and upward at centerline longitudinal girder crushed in way of bulkhead 138.

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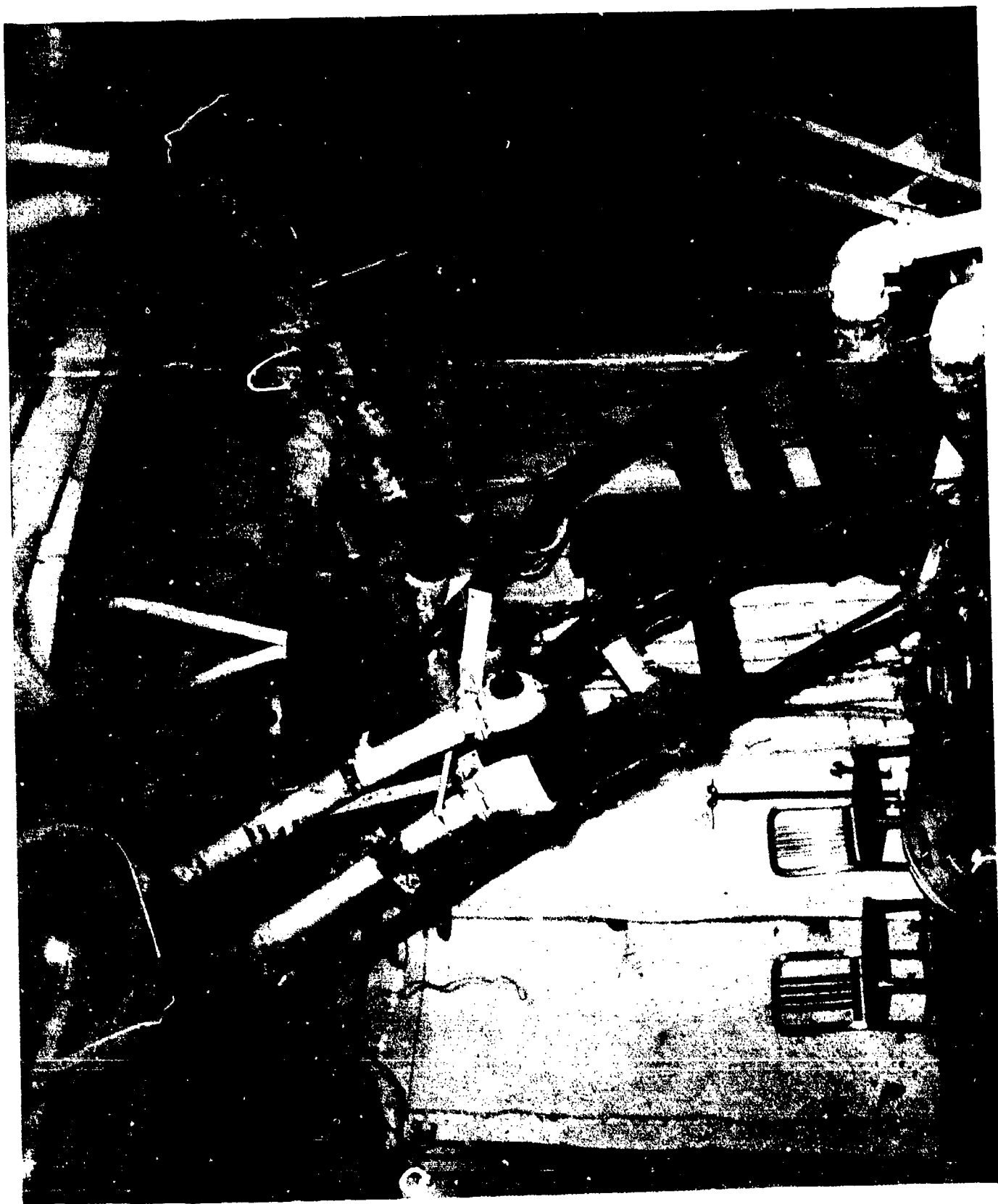
AA-CR-93-2071-3. Second deck, C-205-2L. CPO mess, looking upward from port side at distorted beam, frame 136.

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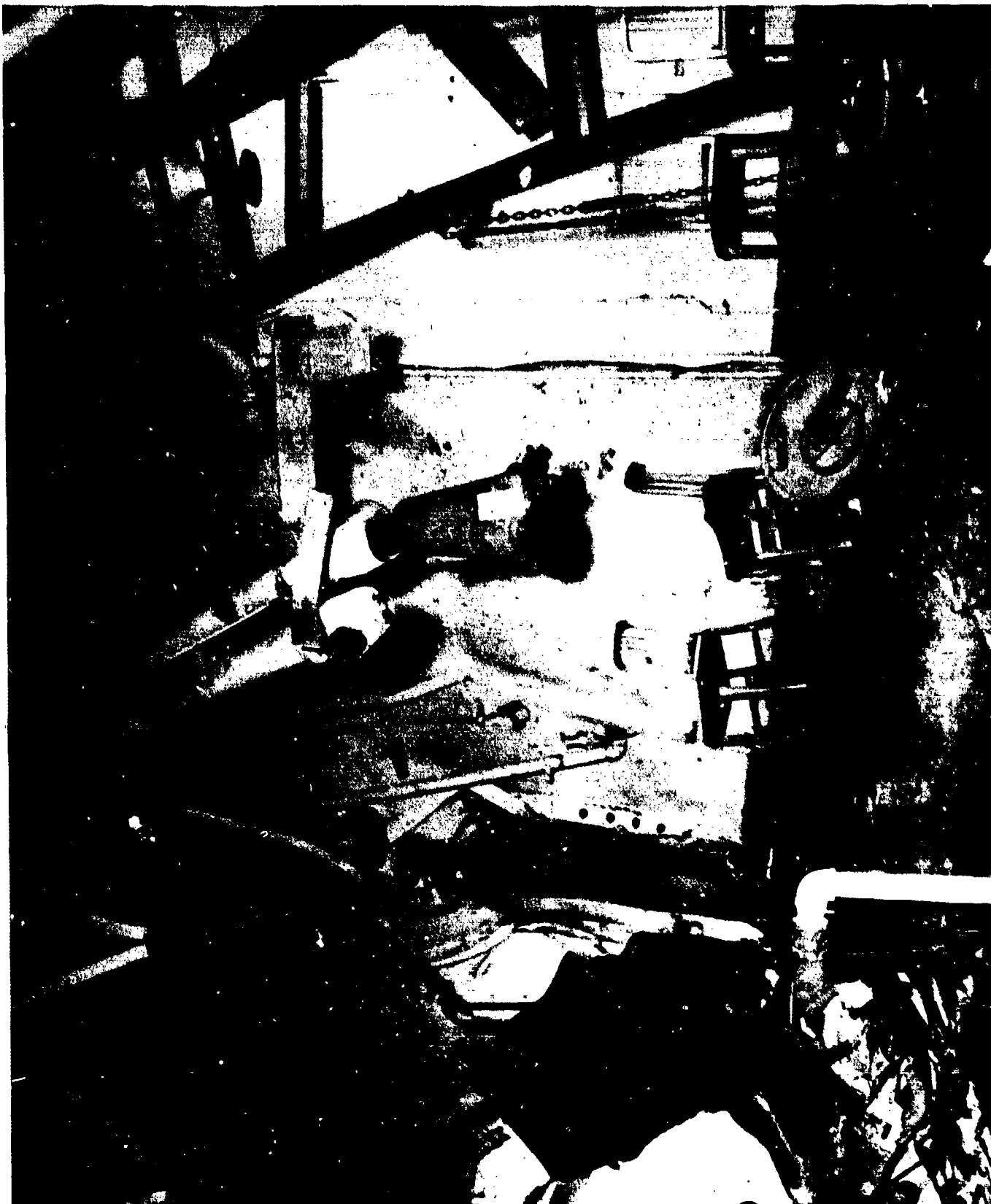
AA-CR-93-1999-9. Second deck. C-205-2L. CPO mess, looking forward and starboard at bulkhead 138. Note absence of trunk around ladders.

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AA-CR-93-1999-10. Second deck, CPO berthing, C-206-L, showing blast damage to port shell and buckled deck and transverse bulkhead at frame 138. Looking forward and to port. Note weld failure at intersection of bulkhead stiffener and deck longitudinal.

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AA-CR-93-2071-2. Second deck, C-205-2L, Looking aft at bulkhead 138, port side, showing longitudinal wrinkle in deck, tear in shell; and failure of welds at frame 137 and along welded seam at 3rd deck line.

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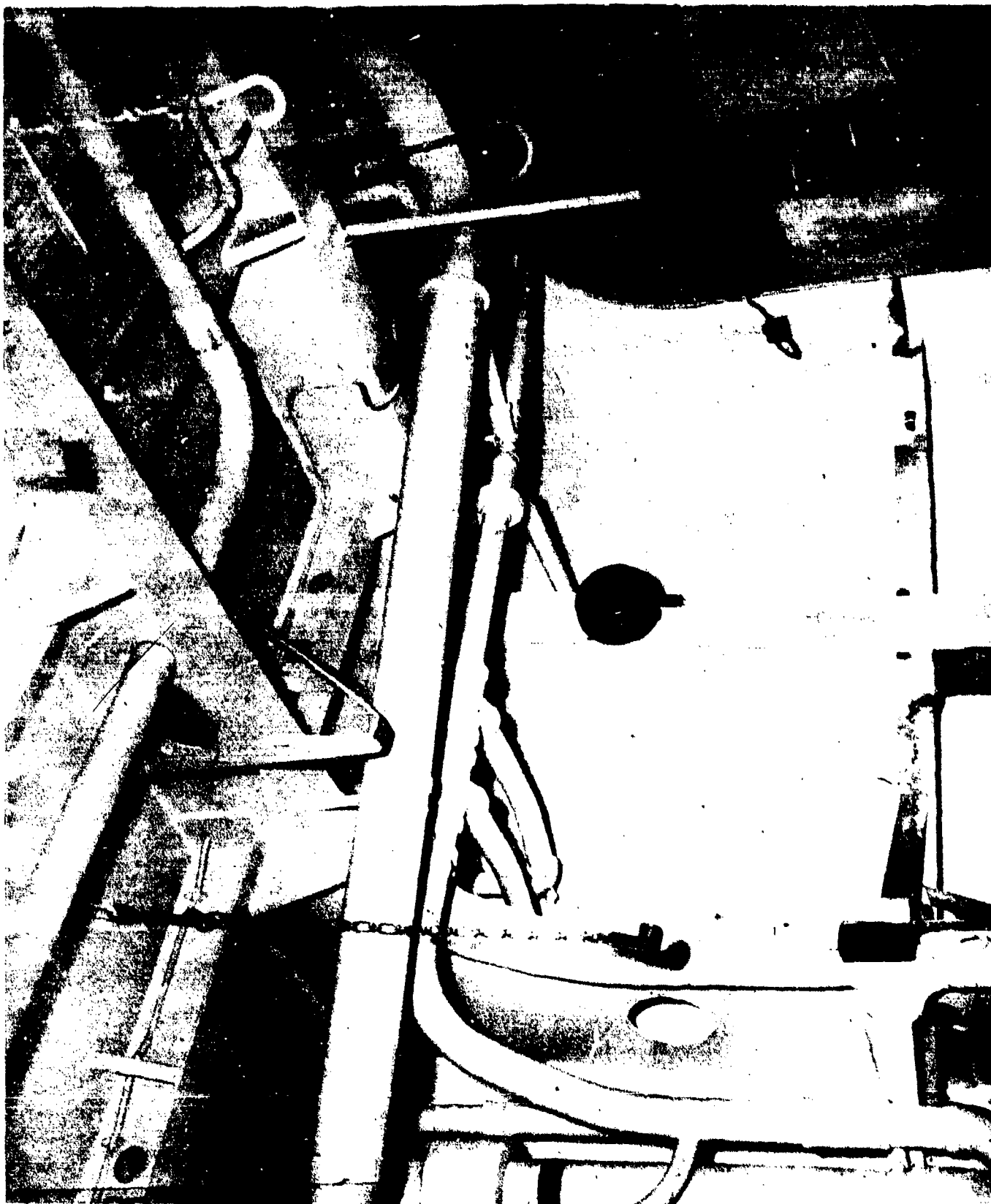


AA-CR-93-2071-6. Second deck, C-206-L, looking aft and starboard at starboard shell plating and deck connections frames 140 to 143.

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AA-CR-93-2071-5. Second deck, C-206-L. Starboard shell plating, frames 140 to 143, looking aft and upward.

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AA-CR-93-1999-11. Second deck, C-206-L. View looking to port and aft, showing severe inboard displacement of port shell at bulkhead 144.

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AA-CR-175-2118-1. Second deck, C-206-L. Looking aft and to port at forward face of bulkhead 14.

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AA-CR-175-2118-2. Second deck, C-207-L, looking forward and to starboard at aft face of bulkhead 144. Note damaged ventilation ducts.

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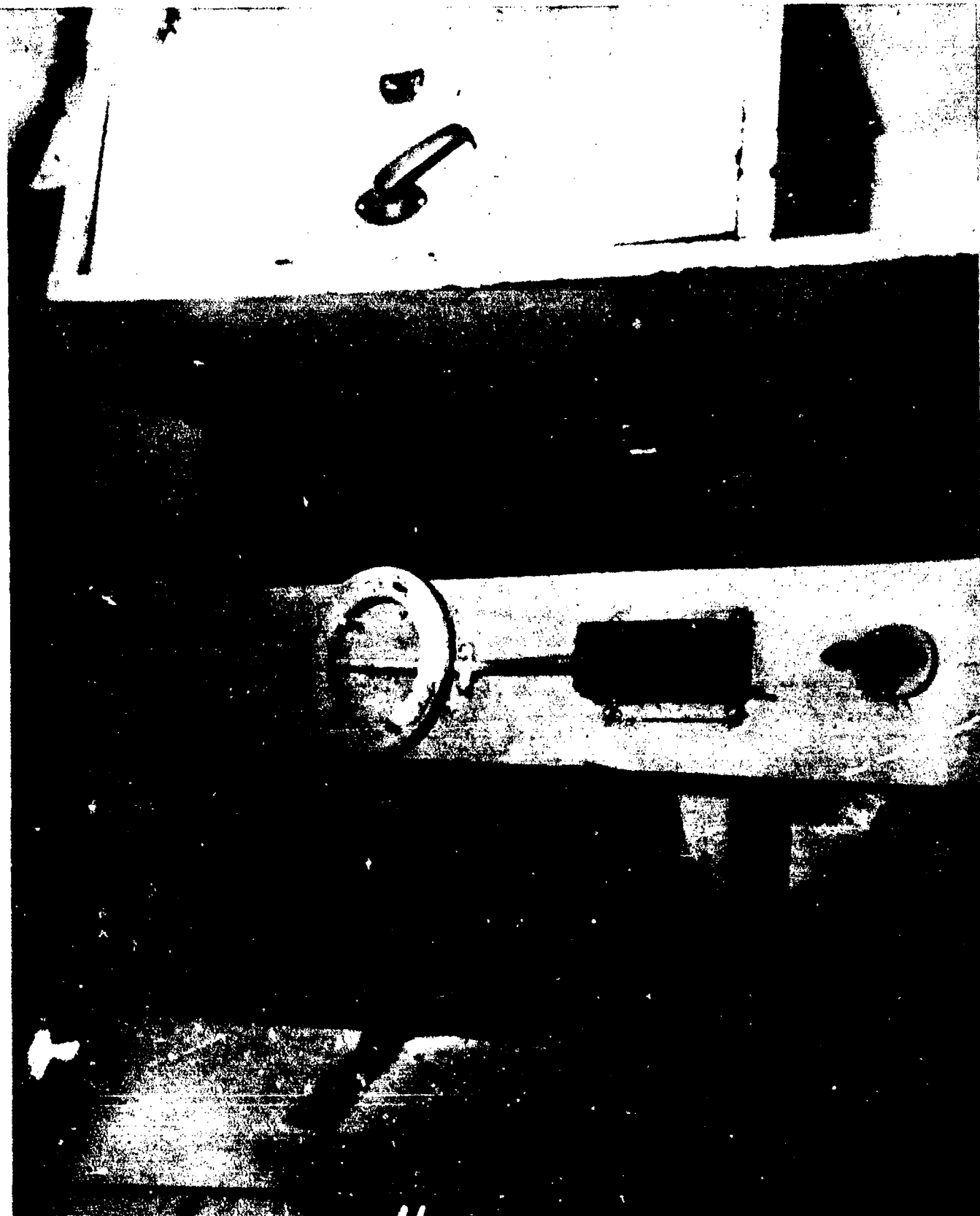
AA-CR-175-2118-3. Second deck C-208-L. Looking to port and forward -- in CPO washroom at bulkhead 147.

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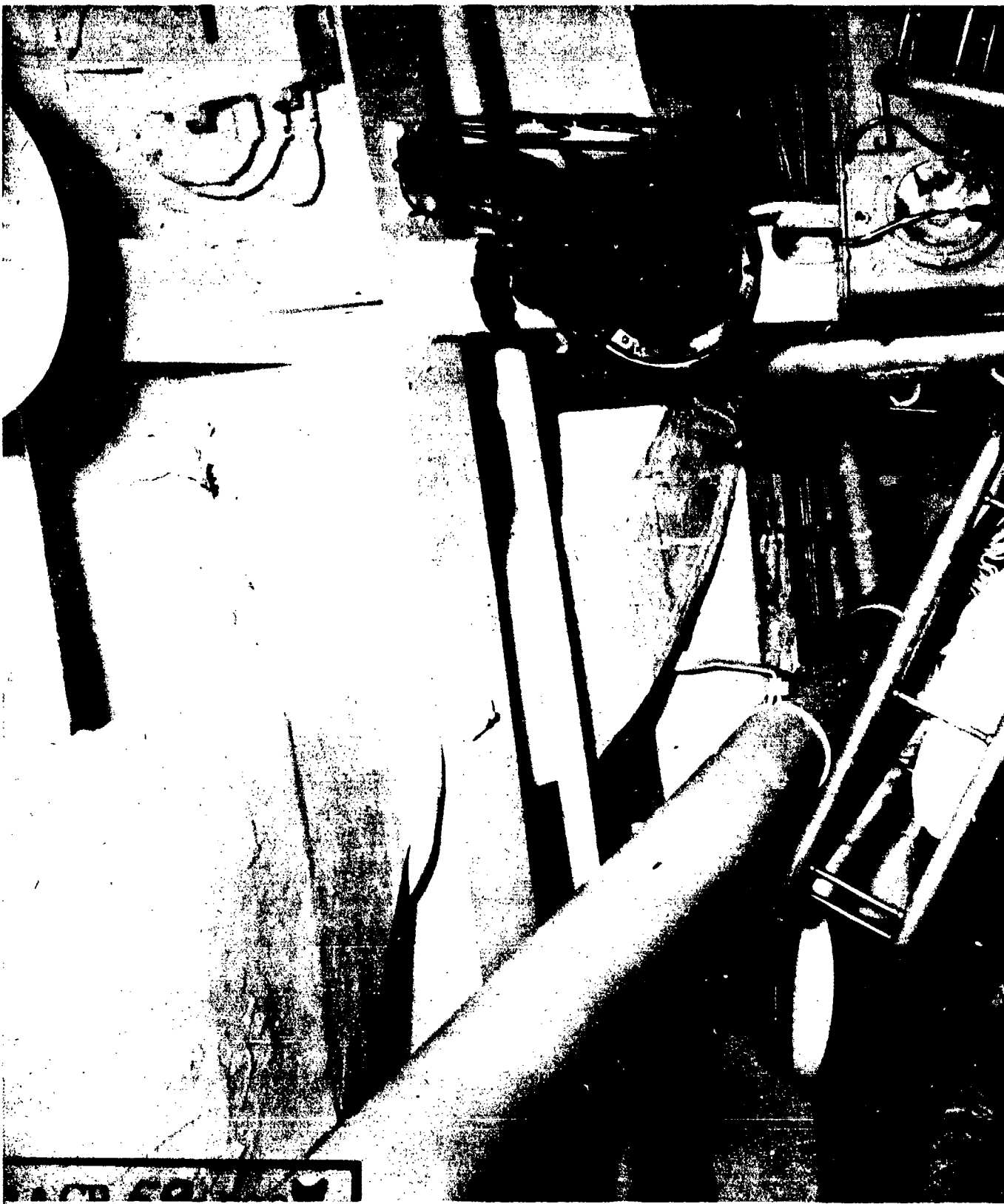
AA-CR-175-2118-4. Second deck. Stern. Interior face of counter, showing loosened insulation.

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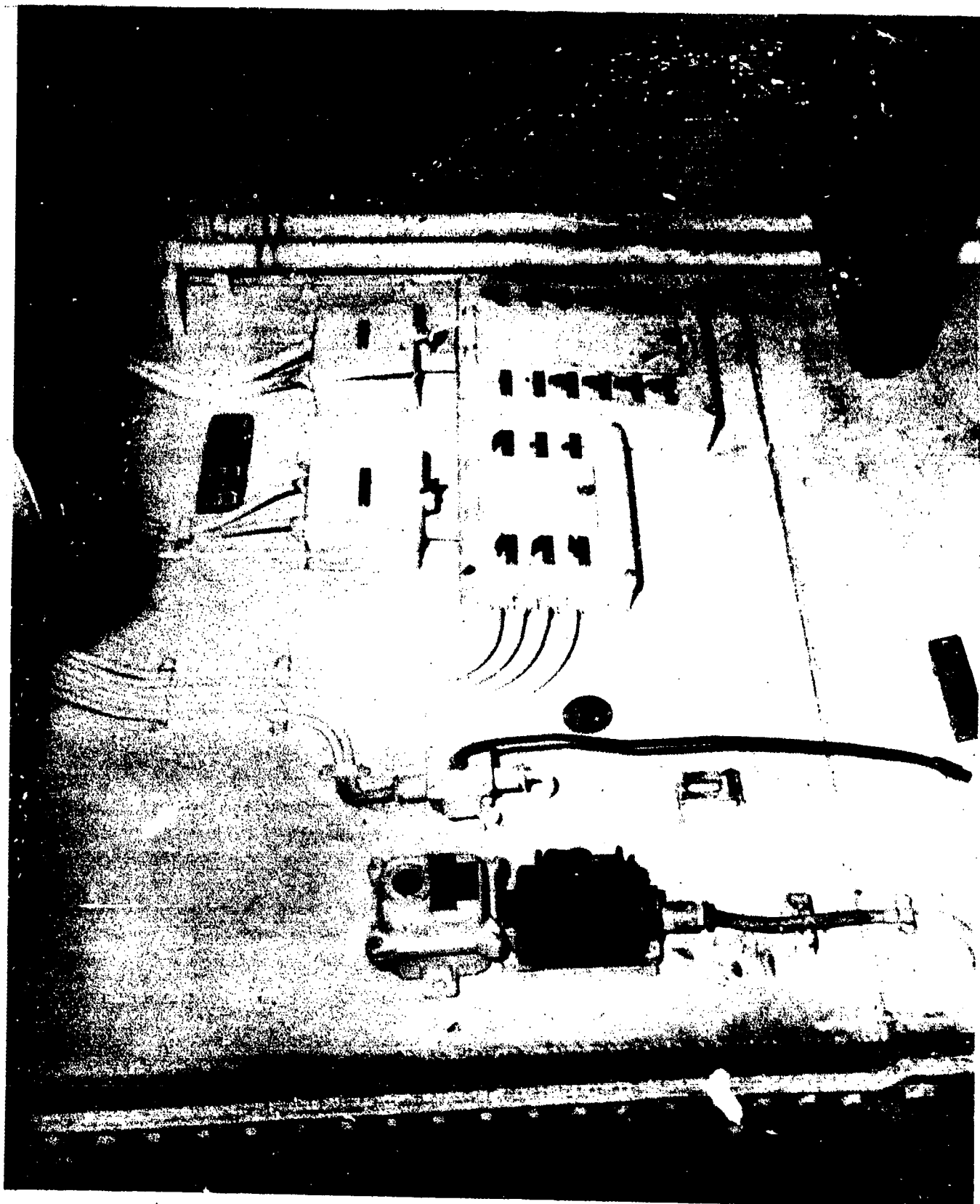
AA-CR-59-2088-3. Third deck, sick bay, A-312-3L, starboard side, showing buckled web in overhead second deck transverse girder, and quarter span stanchion fractured in butt weld at frame 53. Looking aft.

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AA-CR-59-2088-5. Third deck, B-317-L, starboard side frame 85. Looking aft and inboard at trunk B-321-T. Buckle runs from high starboard to low port. Upper plating buckled but lower strake, 30# STS, is intact.

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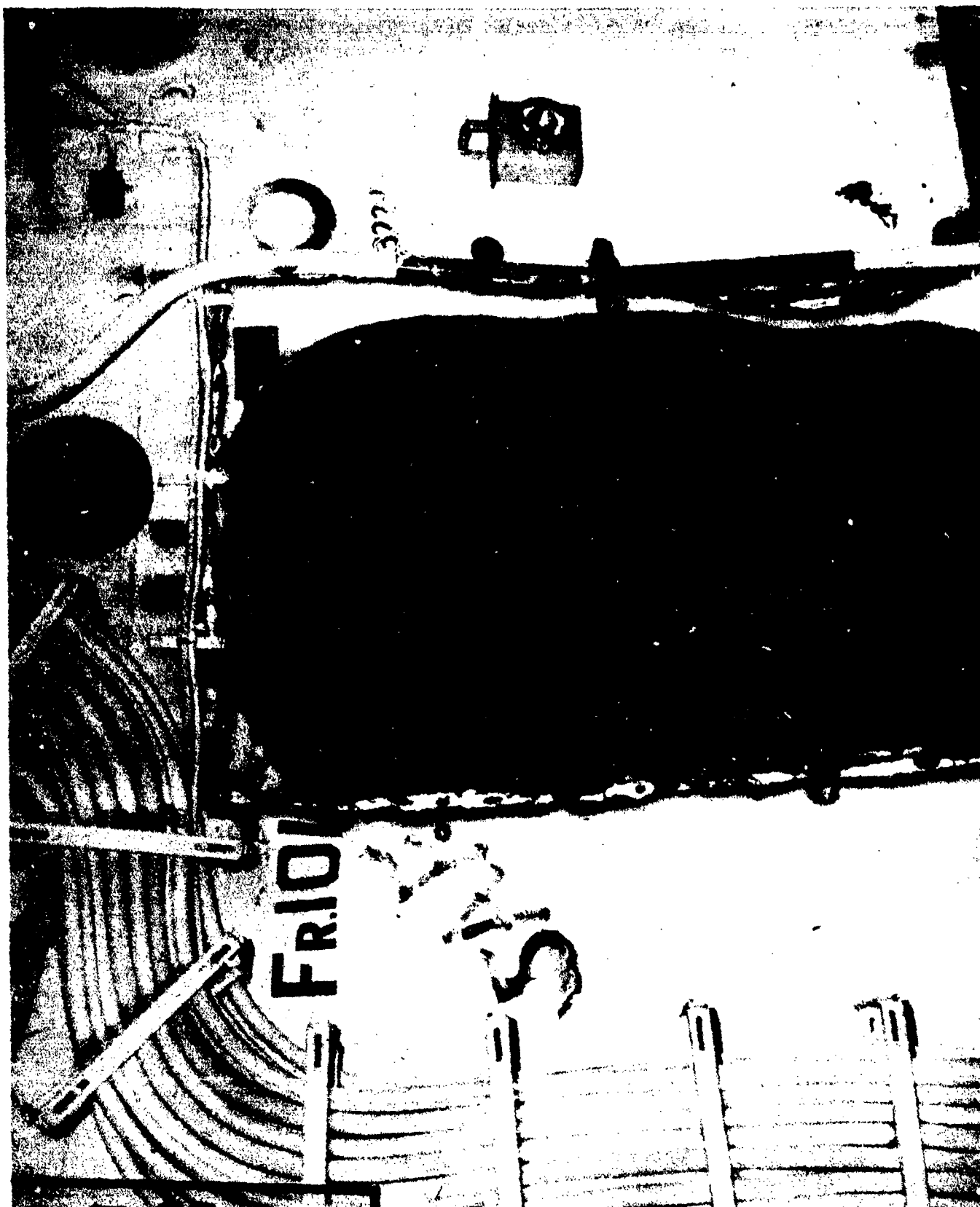


AA-CR-175-2133-12. Third deck, B-322-L, port side looking aft and in-board. Note condition of bulkhead 101 and door frame.

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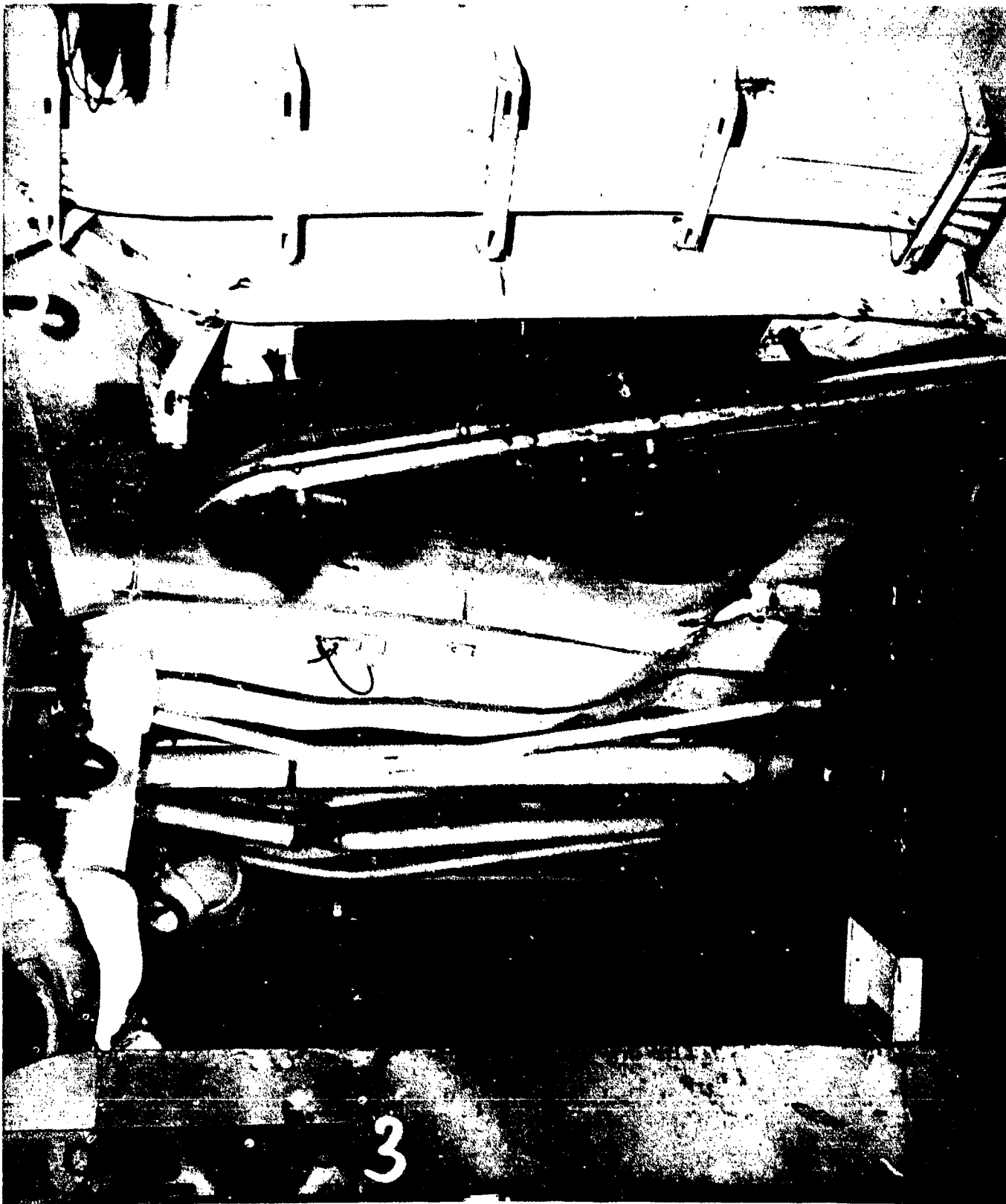


AA-CR-59-2088-8. Third deck, B-322-L, port side, looking aft at
blanked off door 3-101-2. See 2133-12.

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AA-CR-175-2115-3. Third deck, C-301-L, port side looking forward and outboard at bulkhead 101 and door 3-101-2. See 2133-12.

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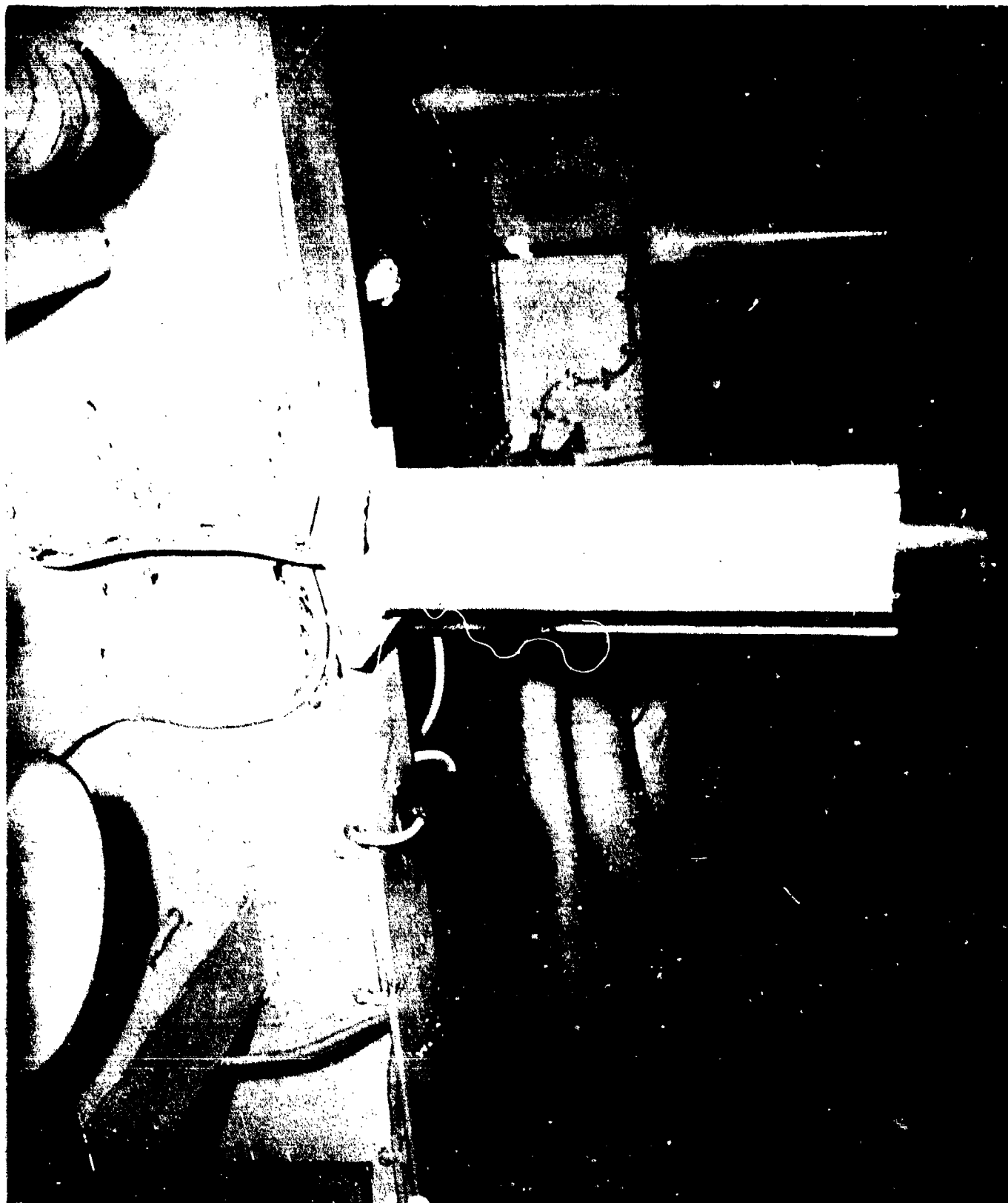
AA-CR-59-2088-9. Third deck, C-301-L, showing transverse girder at frame 104 buckled in way of cut outs. Looking forward and to starboard.

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AA-CR-59-2088-10. Third deck, C-301-L, looking aft at frame 106, starboard side. Peeled paint on web over stanchions shows excellent strain pattern. Stanchion stands on armor bulkhead.

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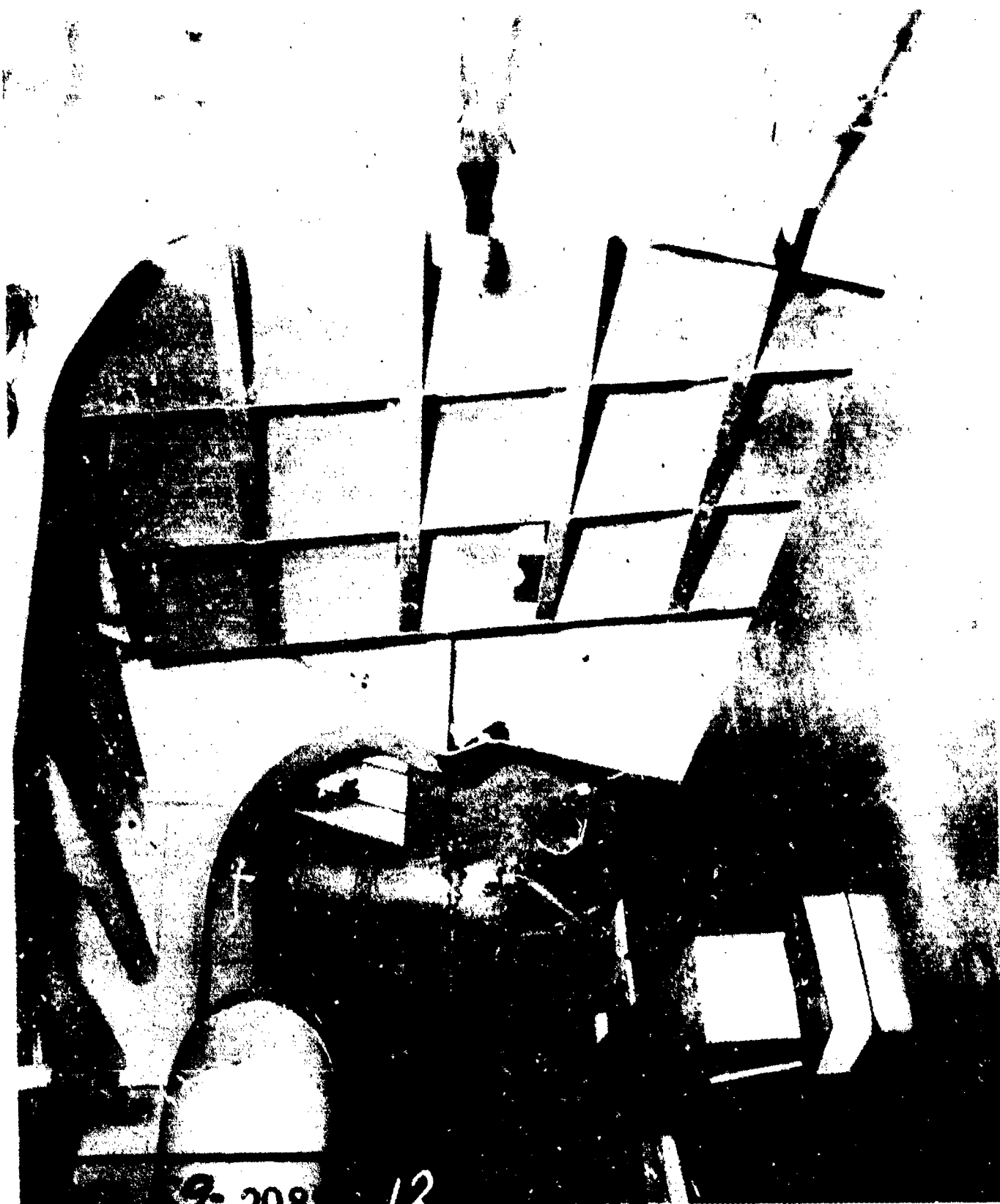
AA-CR-59-2112-1. Third deck. C-301-L. Looking forward along port shell at web frames 106, 104 and bulkhead 101. No damage.

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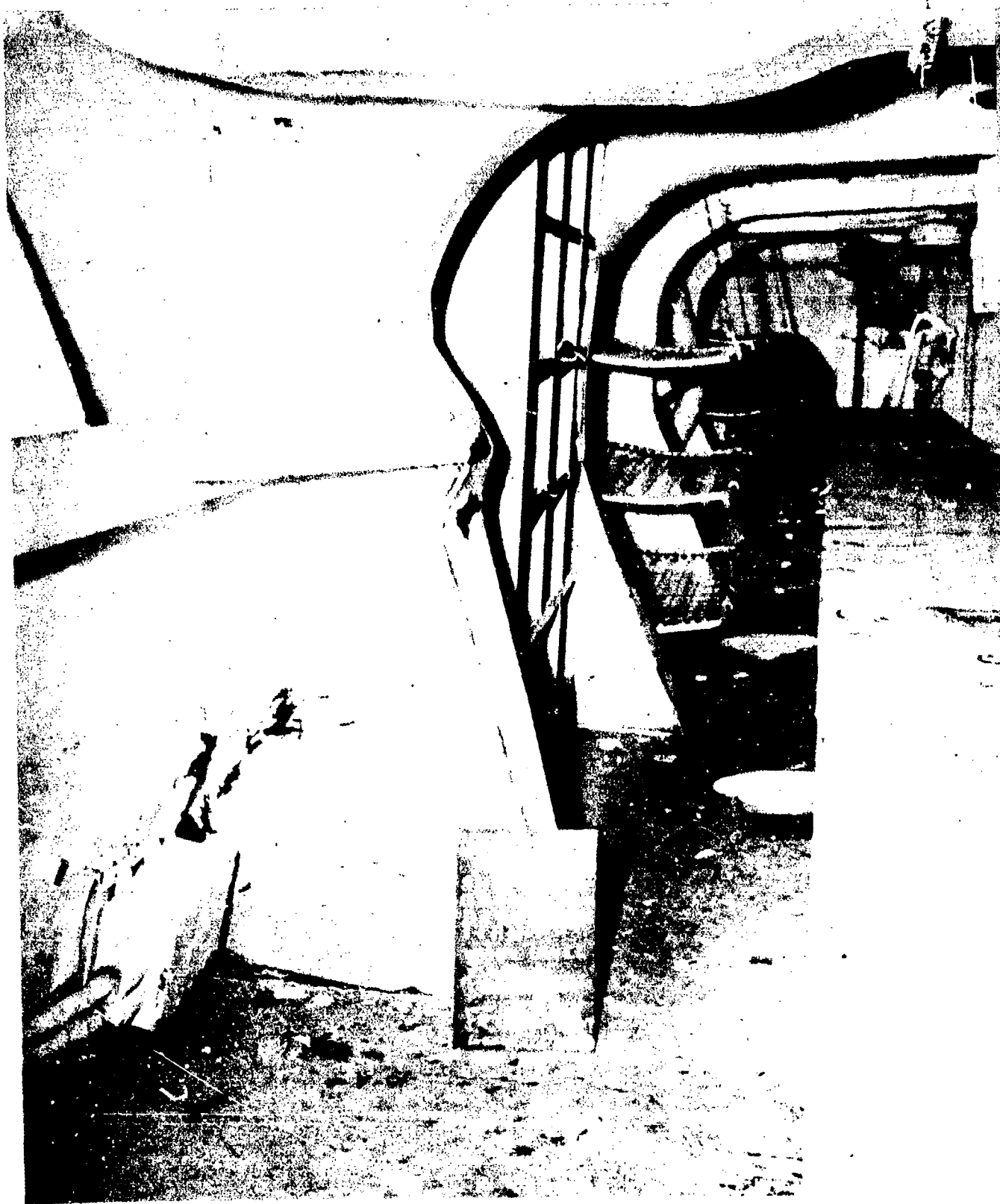


AA-CR-59-2088-12. Third deck. C-301-L. Looking aft at web frames 108 and 110. port side. These webs are the most forward ones which are damaged. Note paint on web 108, near shell, indicating shell deflections.

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AA-CR-175-2134-2. Third deck, C-301-L, crews messing showing bulged shell and buckled web frame 110. Note failure of weld joining web to 3rd deck. Looking forward and to port.

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AB-CR-66-146-4. After Baker. Third deck, C-301-L. Crews messing, showing failure of weld joining web of frame 110 to 3rd deck. Port side, looking outboard and forward.

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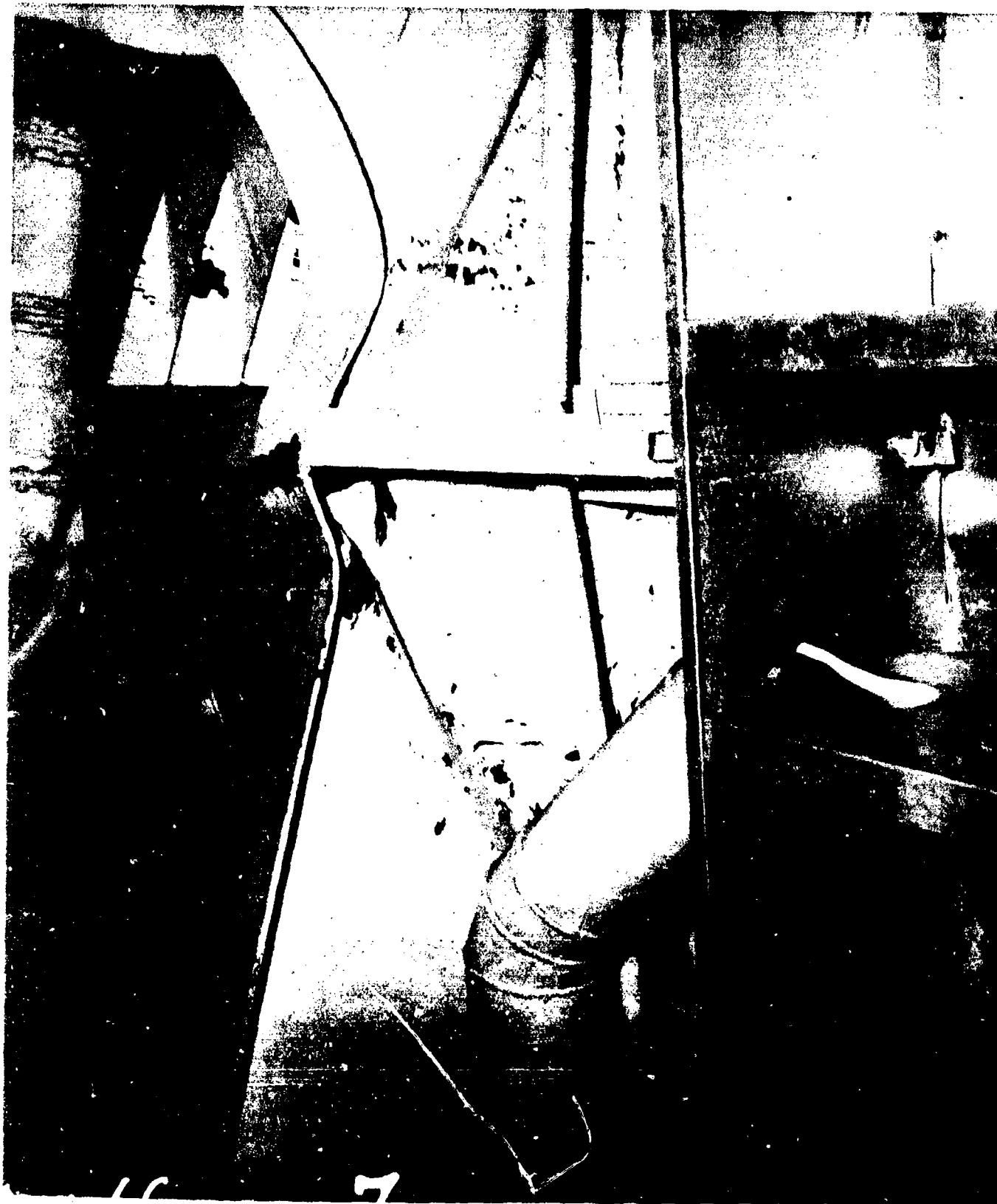
AB-CR-66-146-5. After Baker. Third deck, C-301-L. Crews messing spaces, port side. Detail view showing failure of weld joining web of frame 110 to deck. Looking forward and outboard.

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AA-CR-66-146-7. After Baker. Third deck, C-301-L. Detail view of web frame 110, port side, looking aft. No perceptible increase over Test A damage. For condition prior to Test B see 2088-12.

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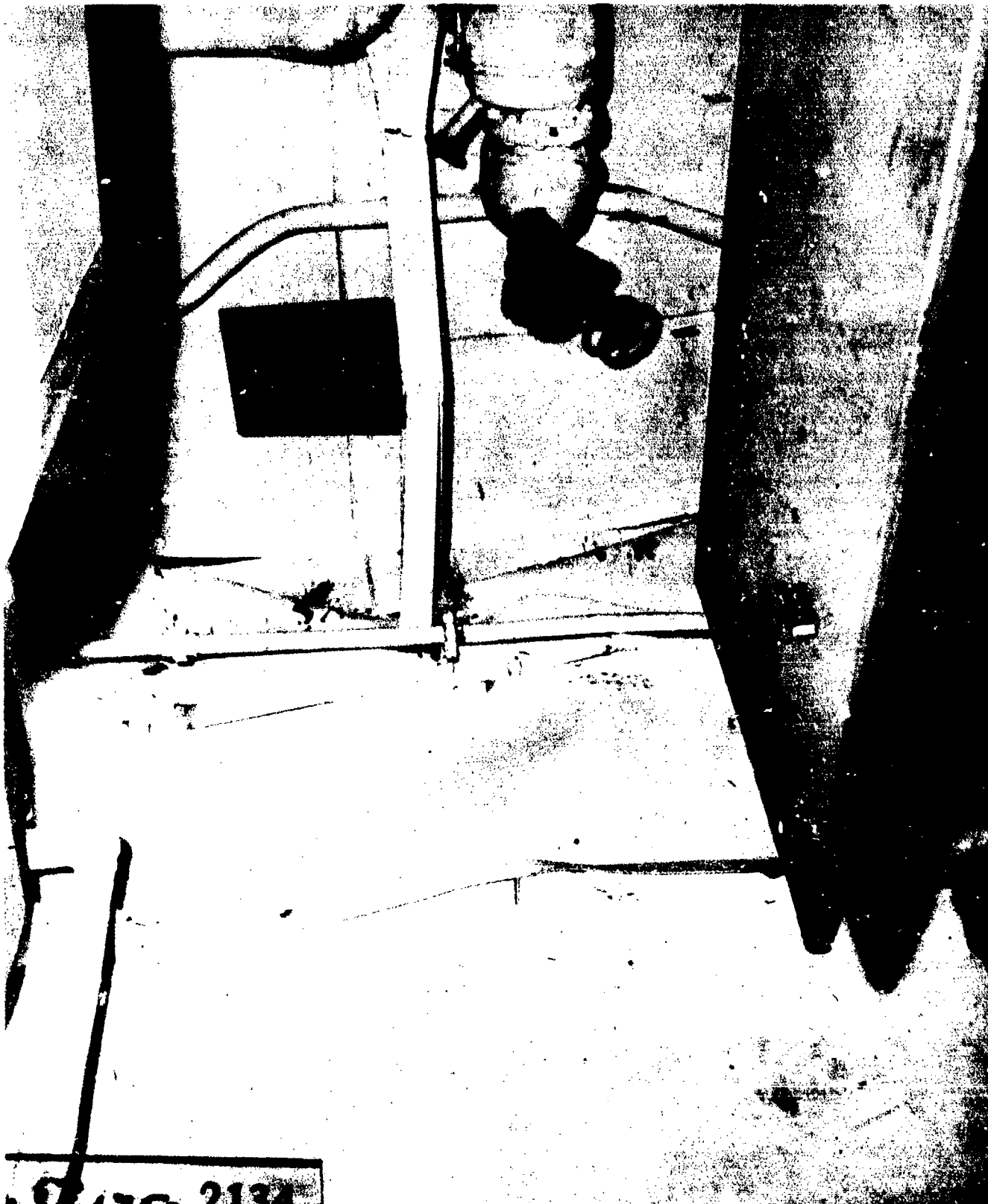
AA-CR-175-2115-4. Third deck, C-301-L, looking to port at shell and aft at forward face of bulkhead 113.

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AA-CR-175-2134-1. Third deck, C-301-L. Looking to port and aft at bulkhead 113.

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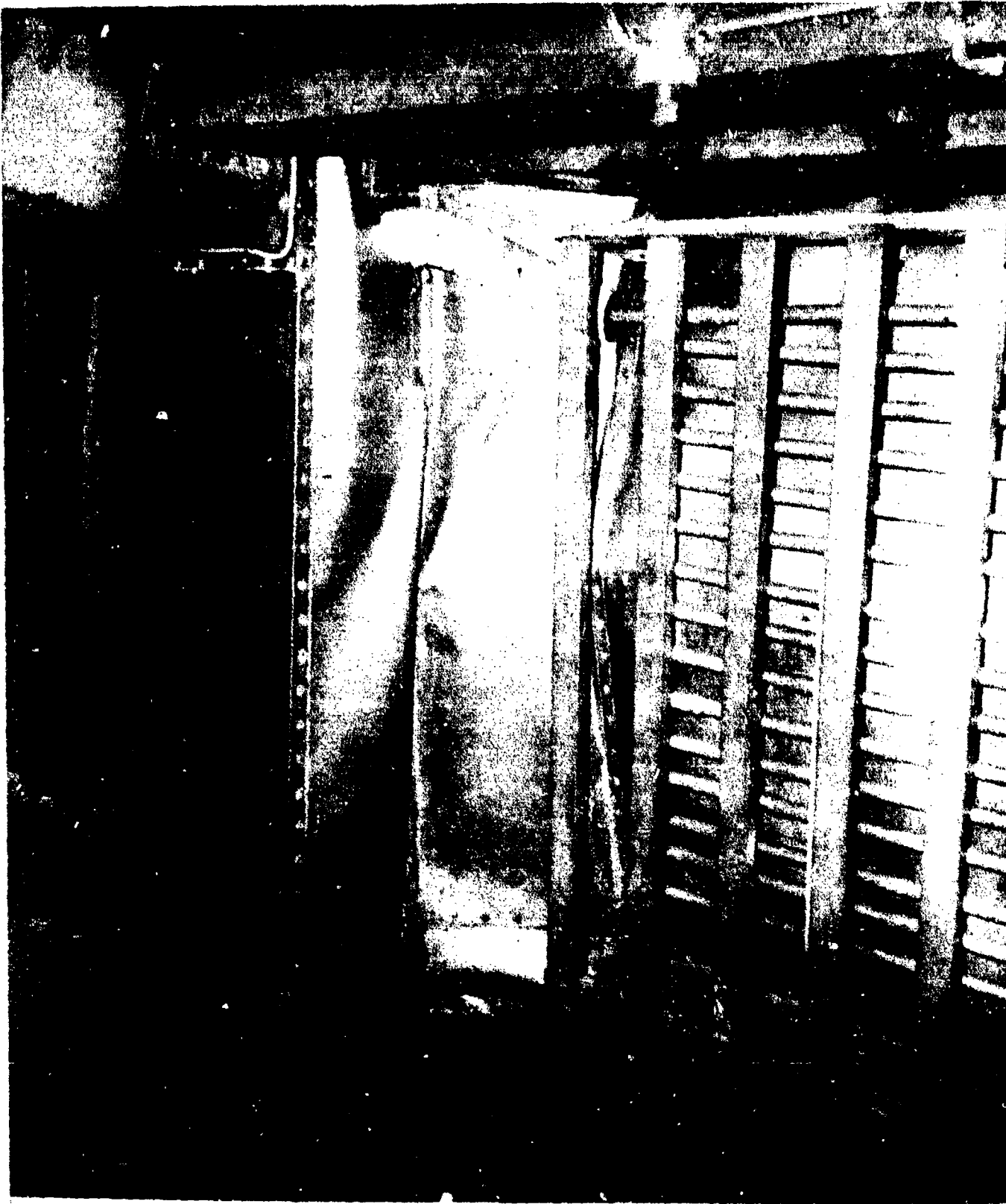
AB-CR-66-146-6. After Baker. Third deck, C-301-L. Detail view looking to port and aft at bulkhead 113. No perceptible increase over Test A damage. For condition prior to Test B see 2115-4.

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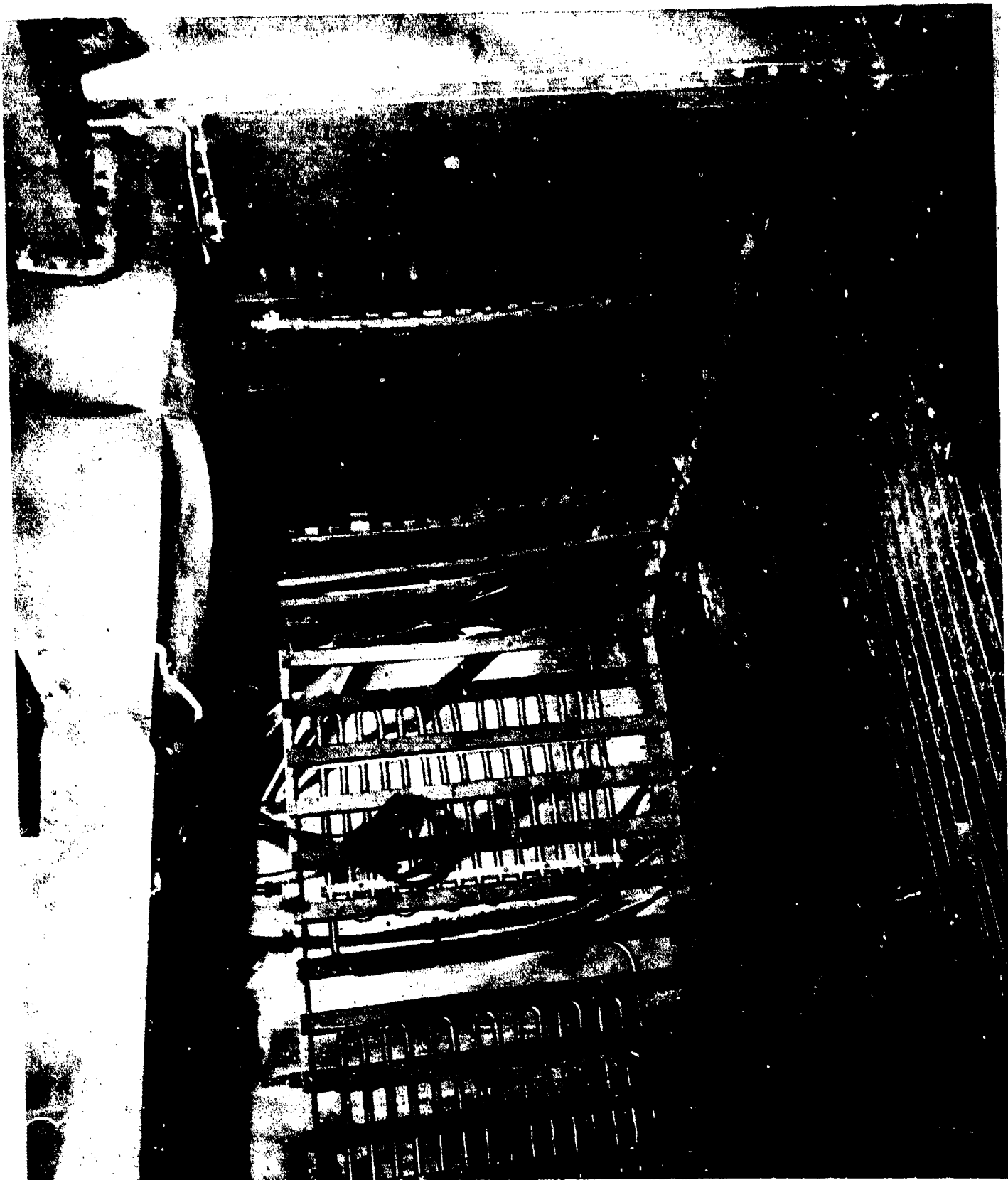
AA-CR-175-2116-1. Third deck. C-307-2A. Port side. Fruit and vegetable locker. Looking at sheathing along port side and around web frame 116.

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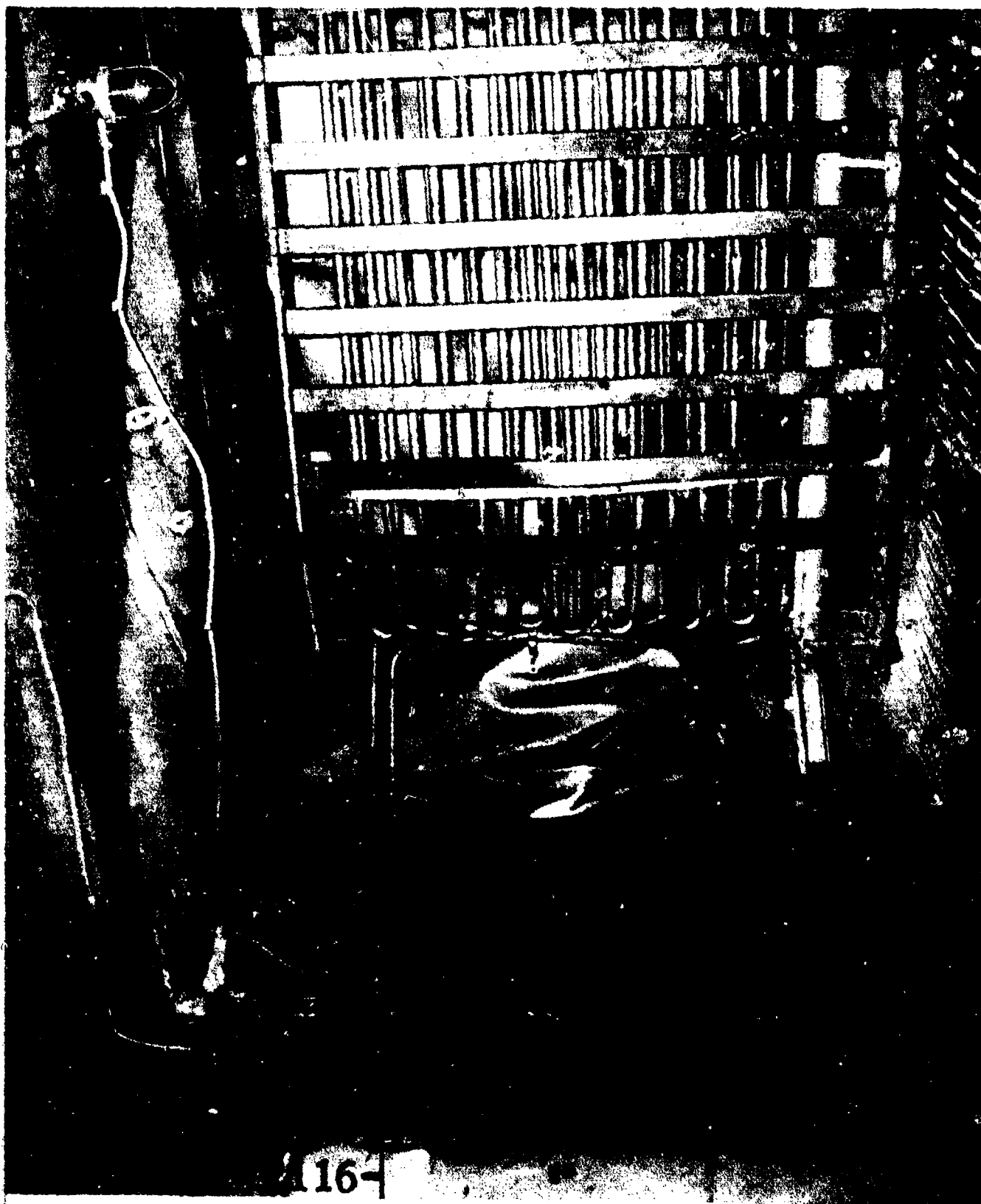
AA-CR-175-2116-2. Third deck. C-307-2A. Sheathing in fruit and vegetable locker. Looking aft at bulkhead 119 and to port from frame 114.

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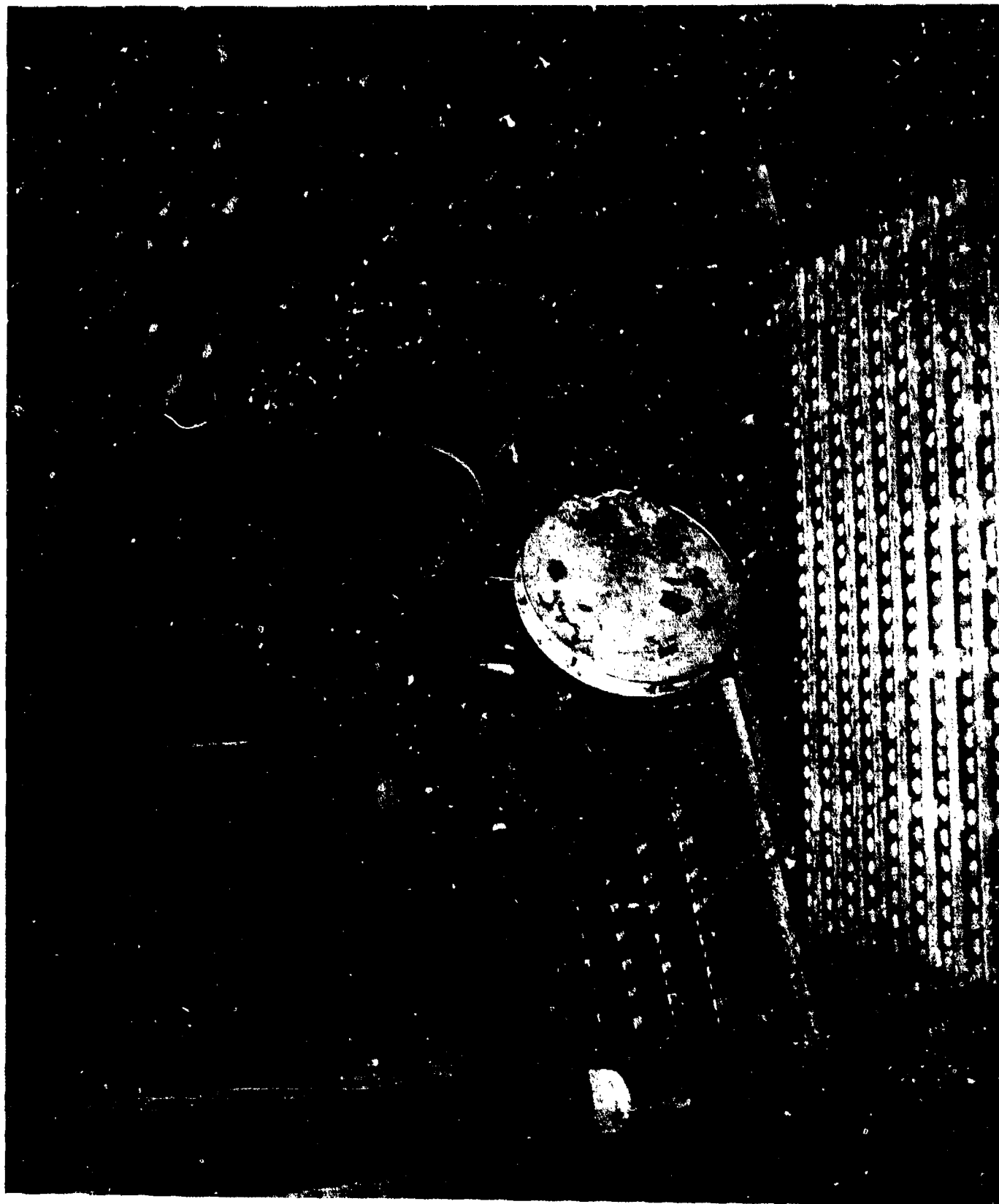
AA-CR-175-2116-3. Third deck. C-308-1A. Looking to port and aft from frame 120. Port corner of bulkhead 123 just visible between columns in left side of picture.

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AA-CR-175-2116-4. Third deck. C-308-1A. Looking aft and to starboard from frame 120, at centerline column and overturned air circulator.

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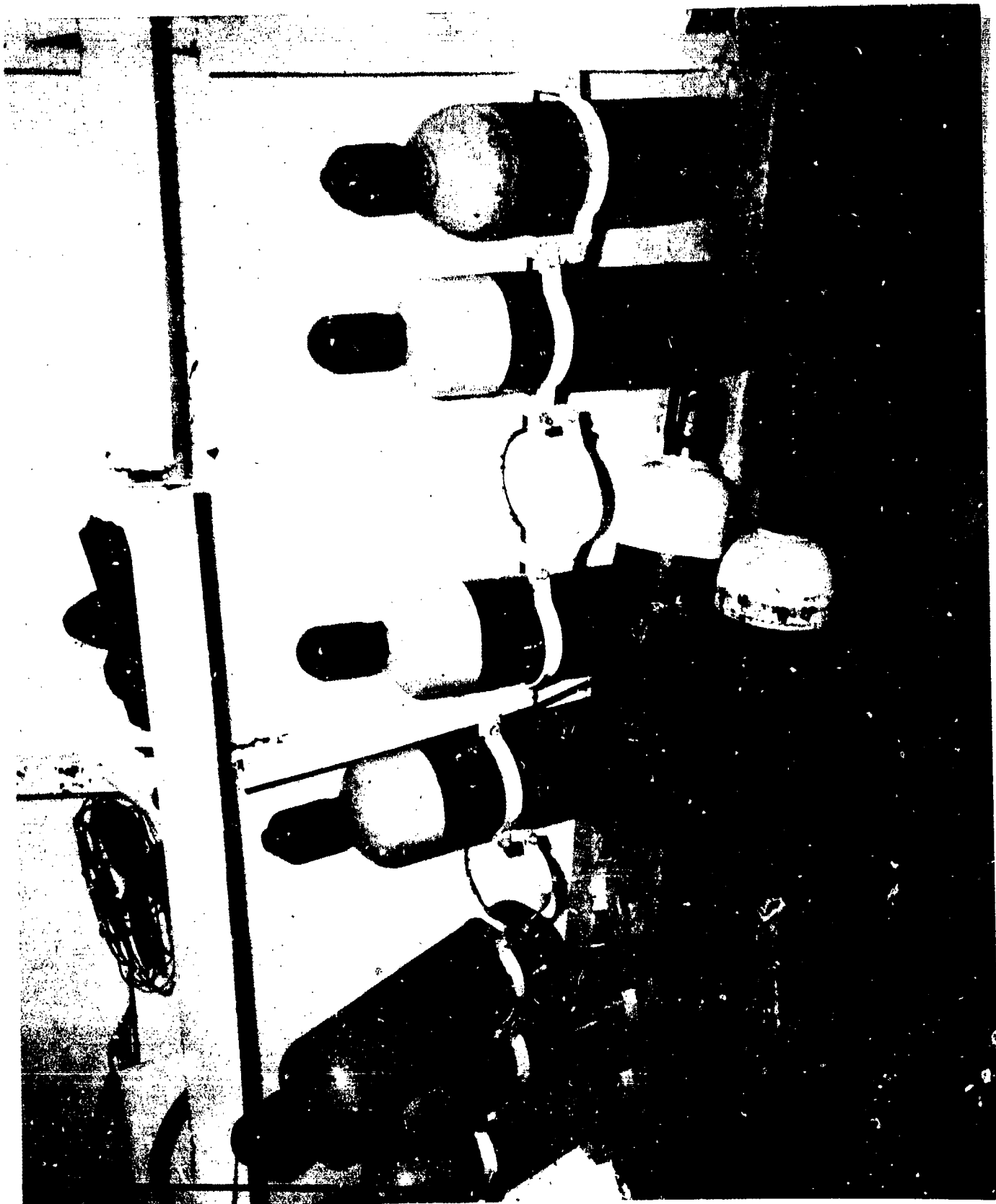
AA-CR-175-2117-1. Third deck, C-308-E. Ice machine room, port side, showing bulged shell and buckled bulkhead and deck at frame 123. Looking forward and to port. Note failure of welded butt in shell longitudinal.

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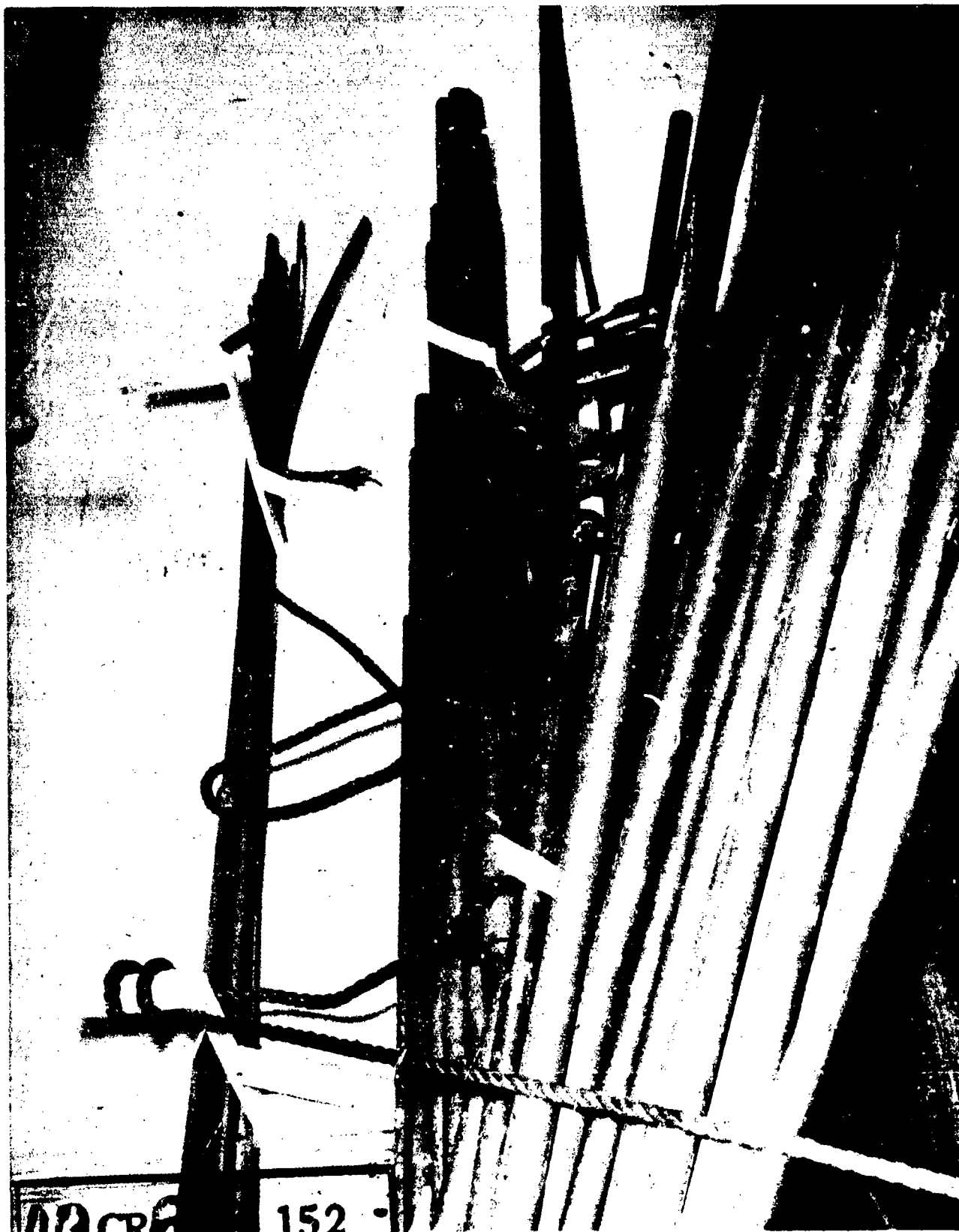
AA-CR-175-2116-12. Third deck, ice machine room, C-308-2E, showing bulged shell, buckled deck and weld failures in shell frames, and longitudinal. Frames 123 to 126, looking outboard to port

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AB-CR-66-152-11. After Baker. Third deck, C-308-3A. Frames 124-126, looking to starboard and aft at bulkhead 126.

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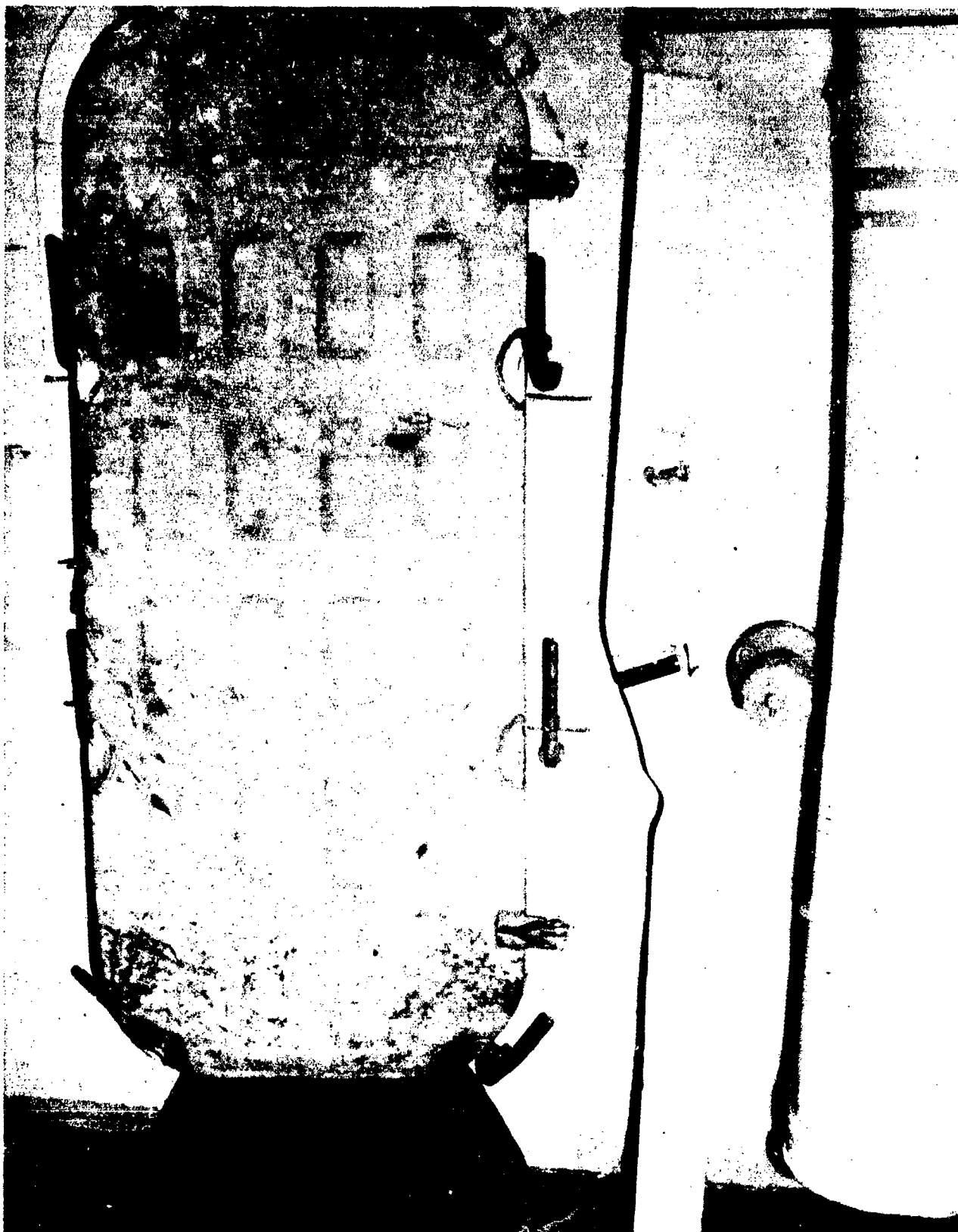
AB-CR-66-152-10. After Baker. Third deck, C-309-L. Bulkhead 126. Looking to starboard and forward into compartment C-308-3A. See, also, 152-9.

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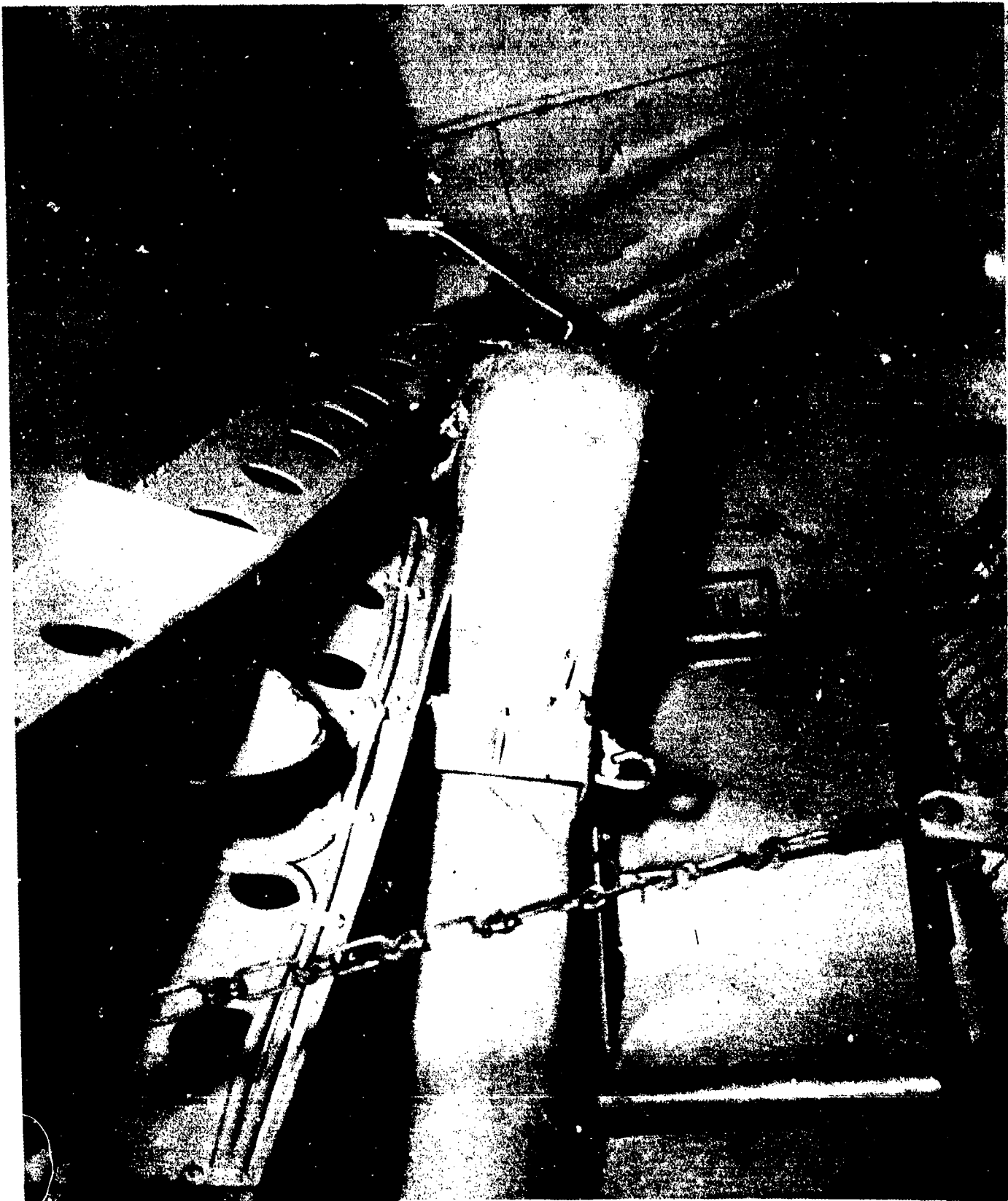
AB-CR-66-152-9. After Baker. Third deck, C-309-L. Bulkhead 126, starboard side, looking forward. Wrinkle runs from high inboard to low outboard.

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AA-CR-175-2117-5. Third deck. C-309-L. Second deck longitudinals folded together as port side structure collapsed inward at bulkhead 132. Looking aft.

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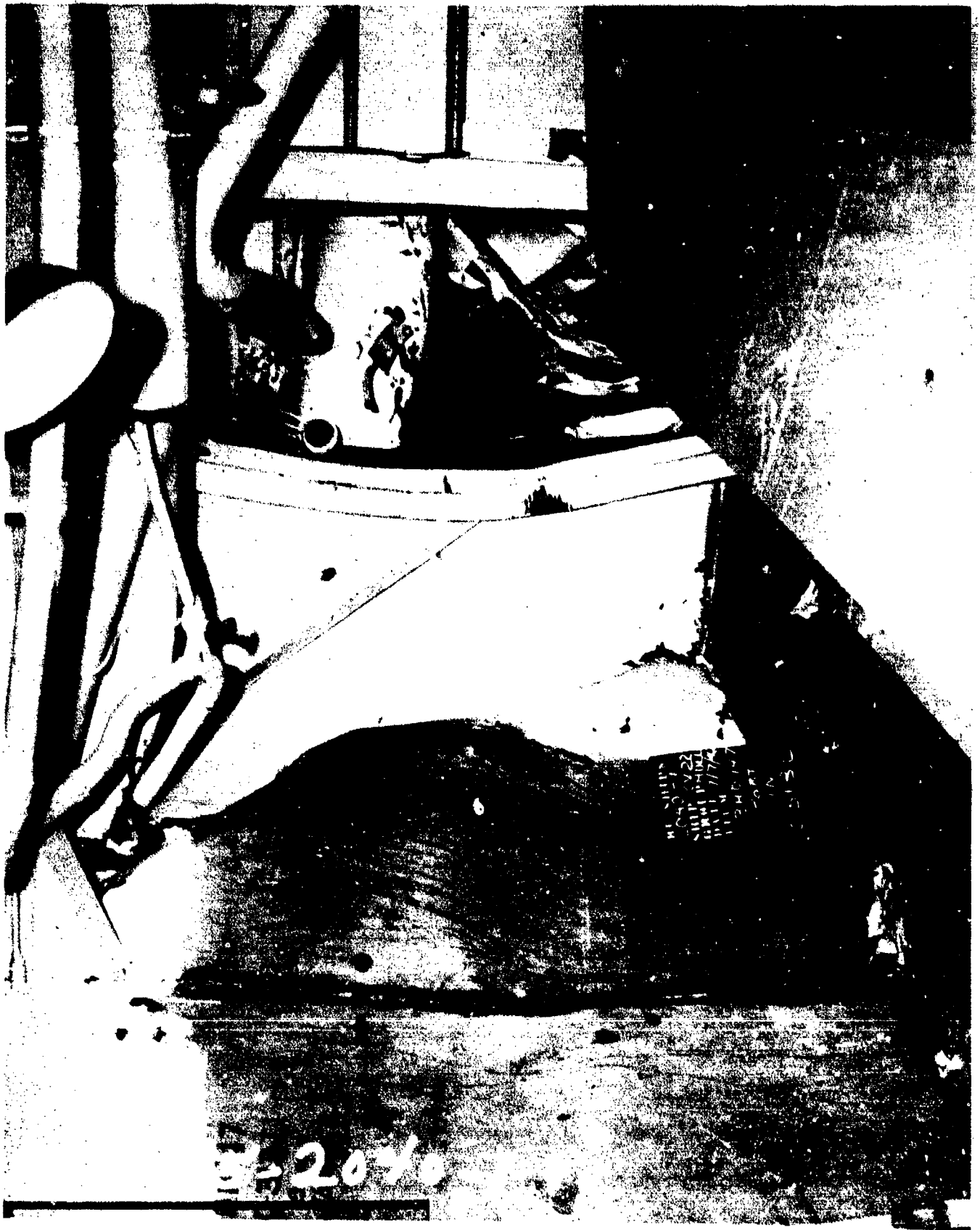
AA-CR-175-2117- 6. Third deck. C-310-L. Aft face of bulkhead 132, port side.

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AA-CR-175-2040-1. Third deck, C-313-L. Looking to port at N.T. longitudinal bulkhead and at bulkhead 147.

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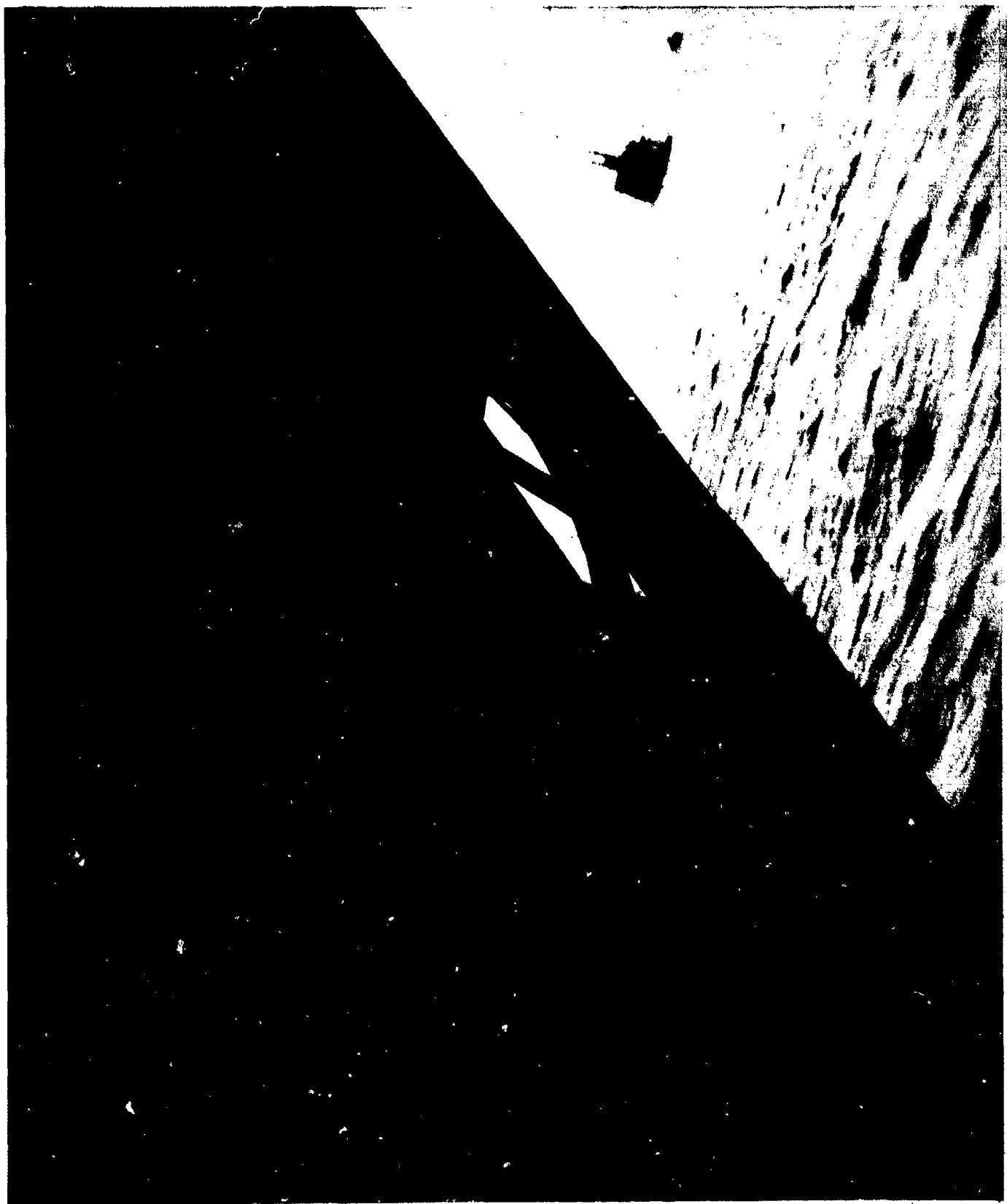
AA-CR-62-2172-5. Temporary uptake and stack from hangar deck.

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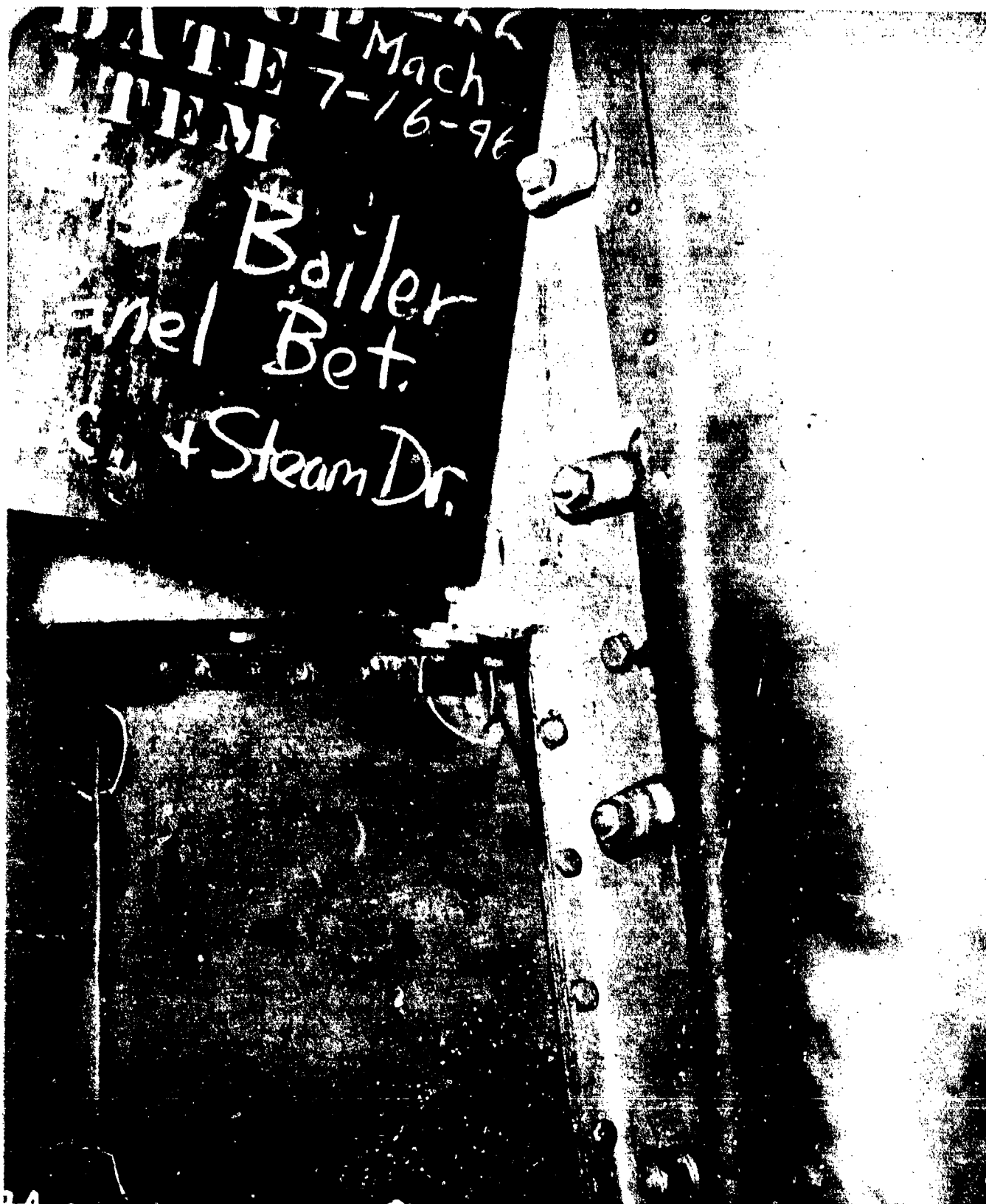


AA-CR-62-2172-6. Temporary stack, outboard.

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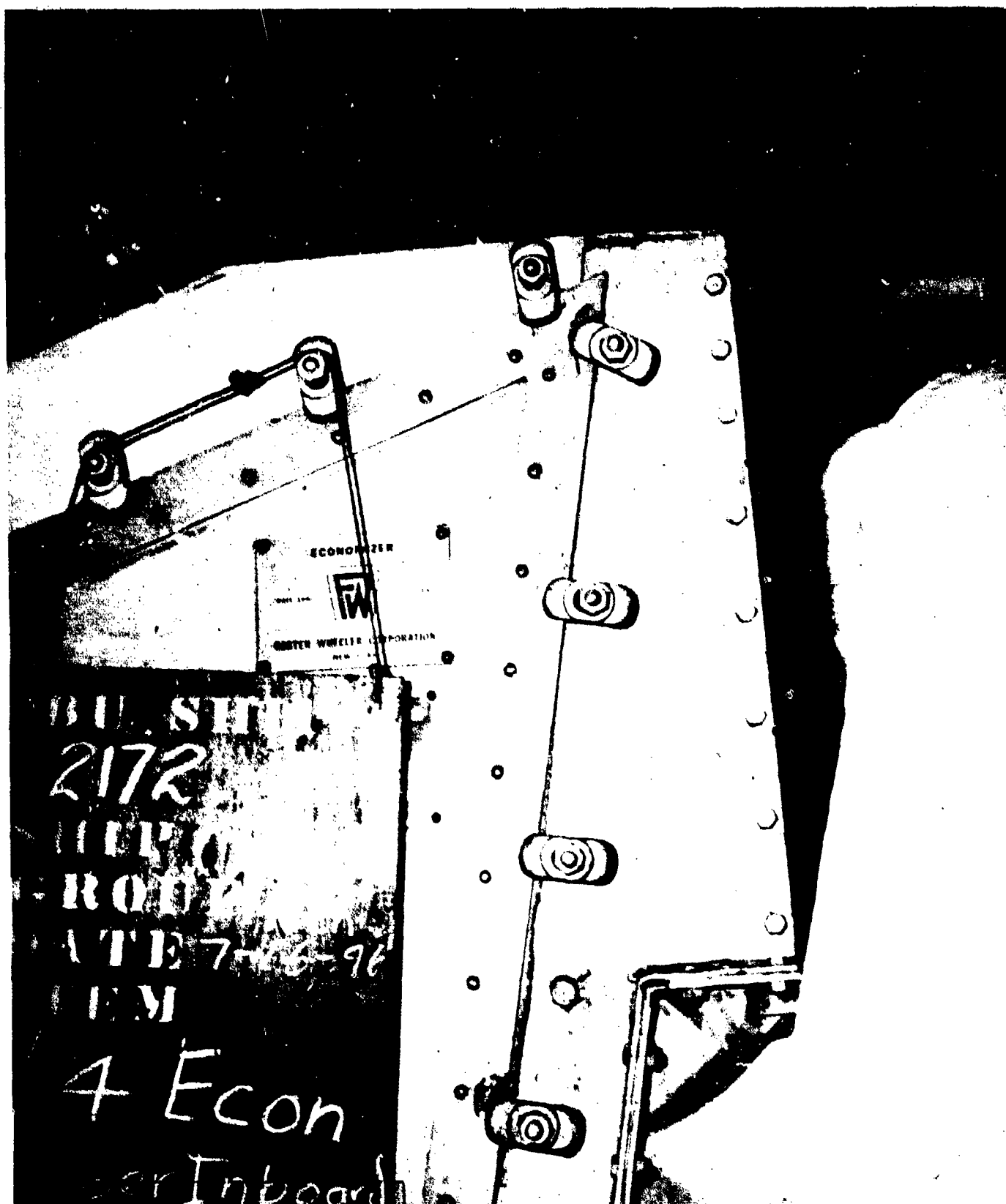
AA-CR-62-2172-8. #3 Boiler panel, between economizer and steam drum.

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AA-CR-62-2172-7. Economizer, upper front inboard corner.

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AA-CR-62-1880-2. #1 Uptake between hangar and flight deck.

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AA-CR-62-1880-3. #3 Uptake between hangar and flight deck.

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AA-CR-62-1880-4. #4 Uptake between hangar and flight deck.

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AA-CR-62-1880-5. #1 stack, picture taken from flight deck.

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AA-CR-62-1880-6. #2 Stack, picture taken from flight deck.

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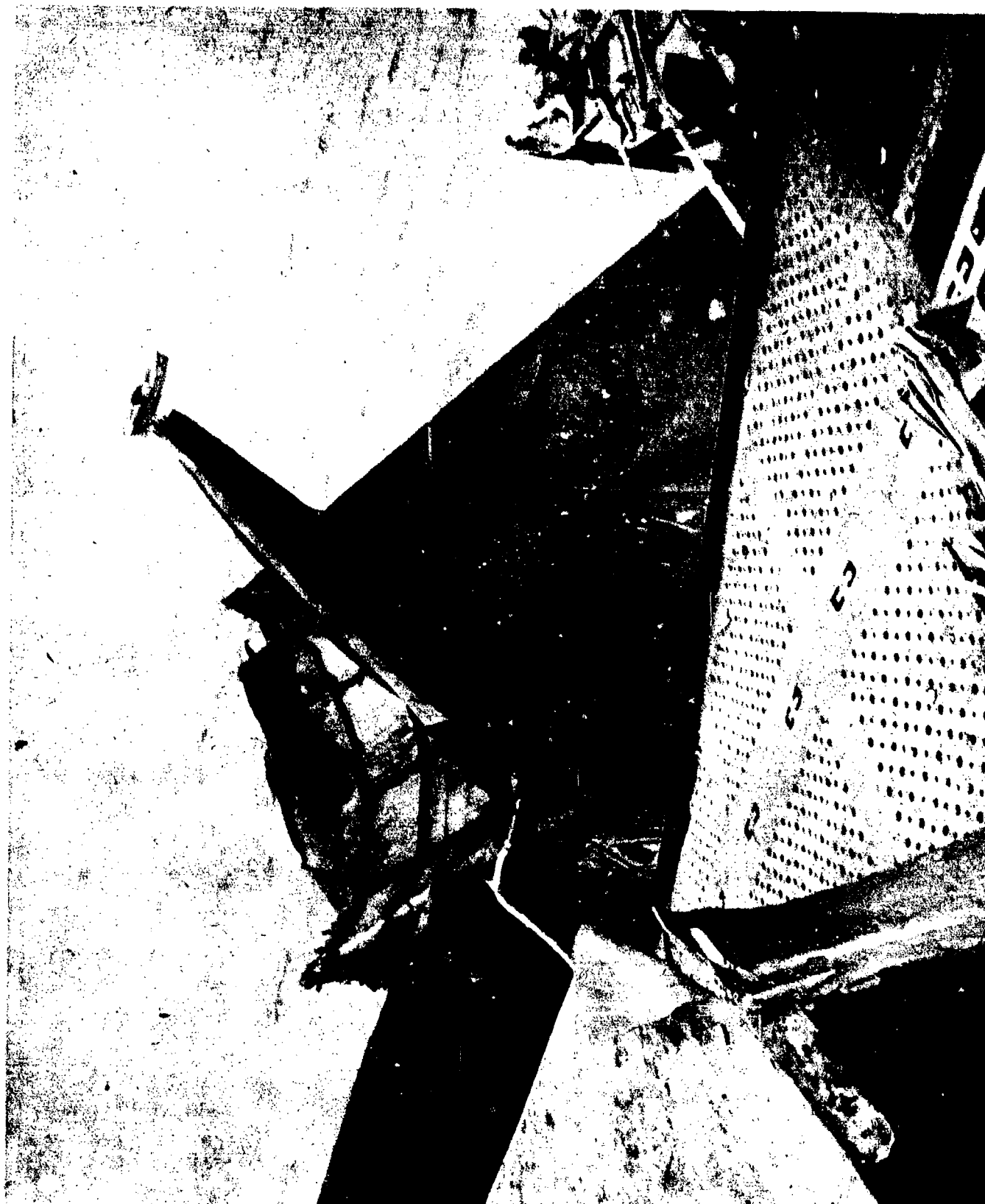


AA-CR-62-1880-7. #3 Stack, picture taken from flight deck.

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AA-CR-62-1880-8. #4 Stack, picture taken from flight deck.

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AA-CR-175-2037-1. Base of boat crane at flight deck.

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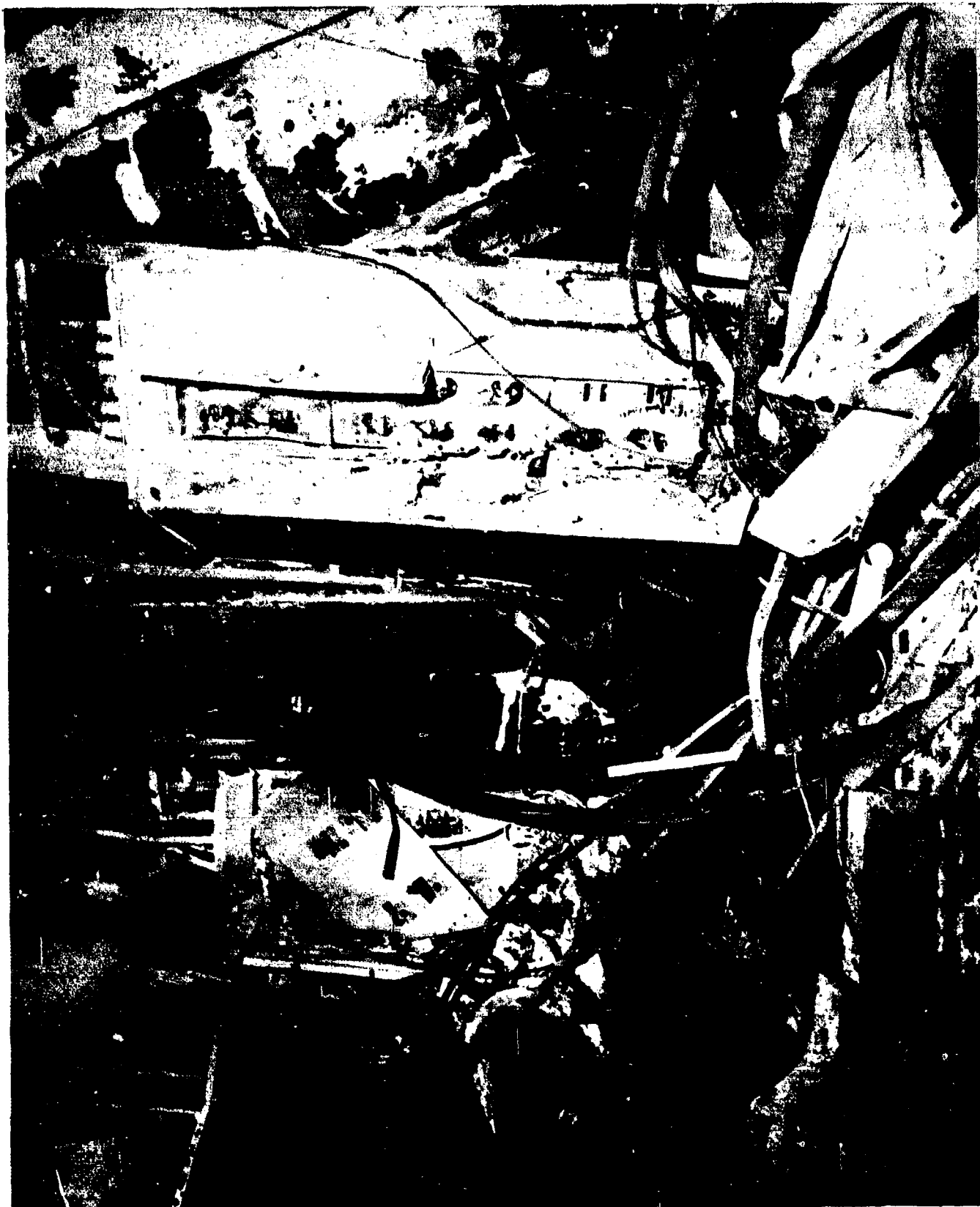
AA-CR-175-2037-2. Boat crane, lower bearing.

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AA-CR-82-1919-1. One power panel and two lighting distribution panels which were destroyed by fire and blast pressure located between frames 133 and 135 port side main deck. View looking inboard.

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AA-CR-82-1916-7. Power panel 2-94-1 mounted on angle bar extending from deck to deck frame 94 on second deck. Support buckled and cable partially pulled out of enclosure due to deflection in deck, view looking aft and inboard.

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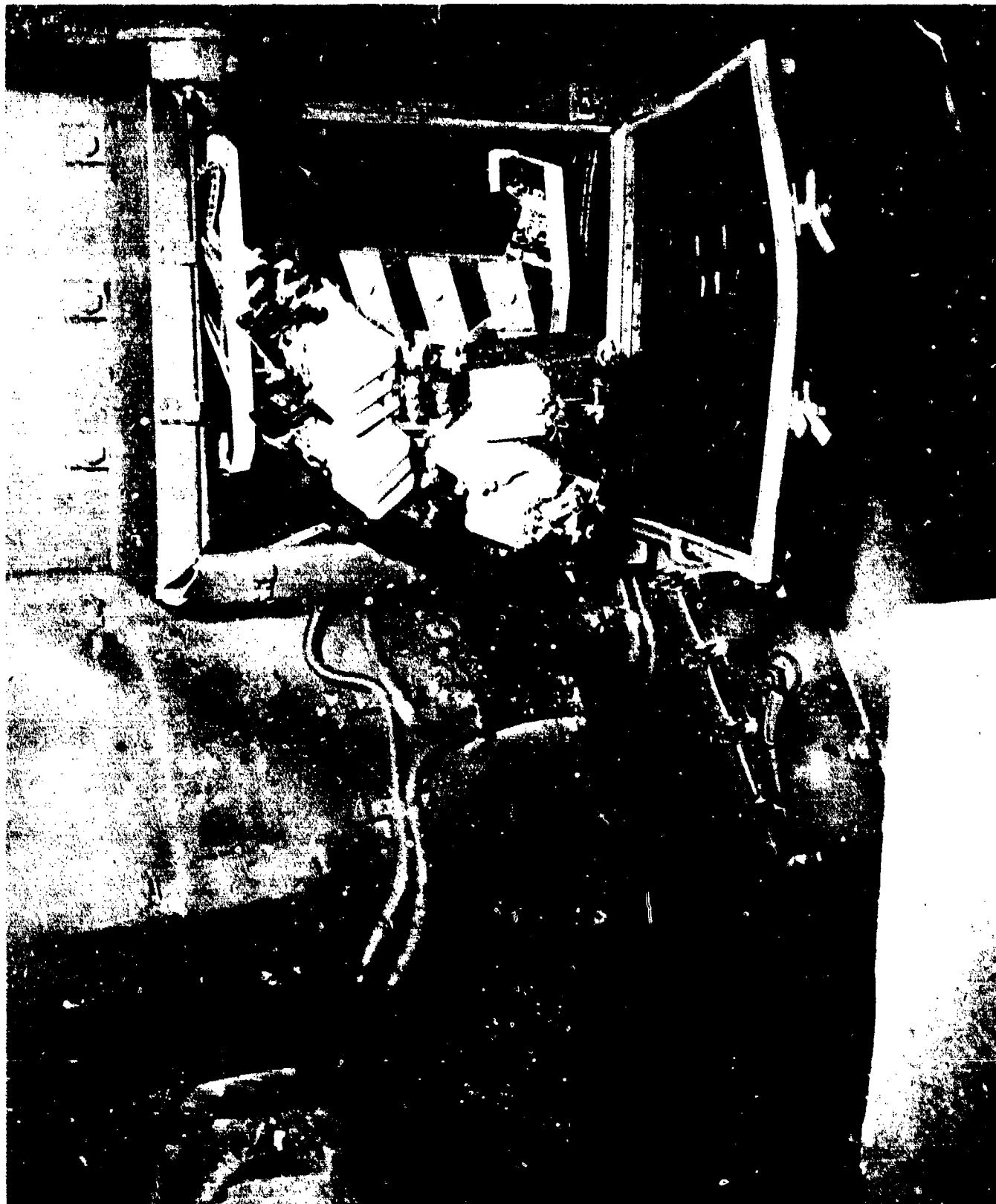
AA-CR-62-1881-7. Manual transfer switch located frame 103 starboard side galley deck in crew shelter. Welding pads sheared and left box hanging by cable, view looking aft.

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AA-CR-62-1881-6. Damaged transformer and power panel # 3-101-1 on gallery deck level frame 103 starboard in gun crew shelter, view looking aft.

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AA-CR-82-1916-6. Lighting distribution panel 2-72-2 mounted on angle bar extending from deck to deck frame 71 starboard side second deck. Supports buckled and cable partially pulled out of panel due to deflection in deck. View looking aft.

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AA-CR-82-1918-12. Cable left hanging after a single phase transformer for 40MM machine gun system was dislodged from bulkhead by bomb blast pressure. Power panel and transfer switch were subjected to heat from fire in adjacent compartment. View looking aft to frame 136 main deck.

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AA-CR-234-1985-9. Lighting transfer switch at frame 126 starboard side gallery deck. Cable partically pulled out of enclosure and supports distorted. View looking forward and inboard.

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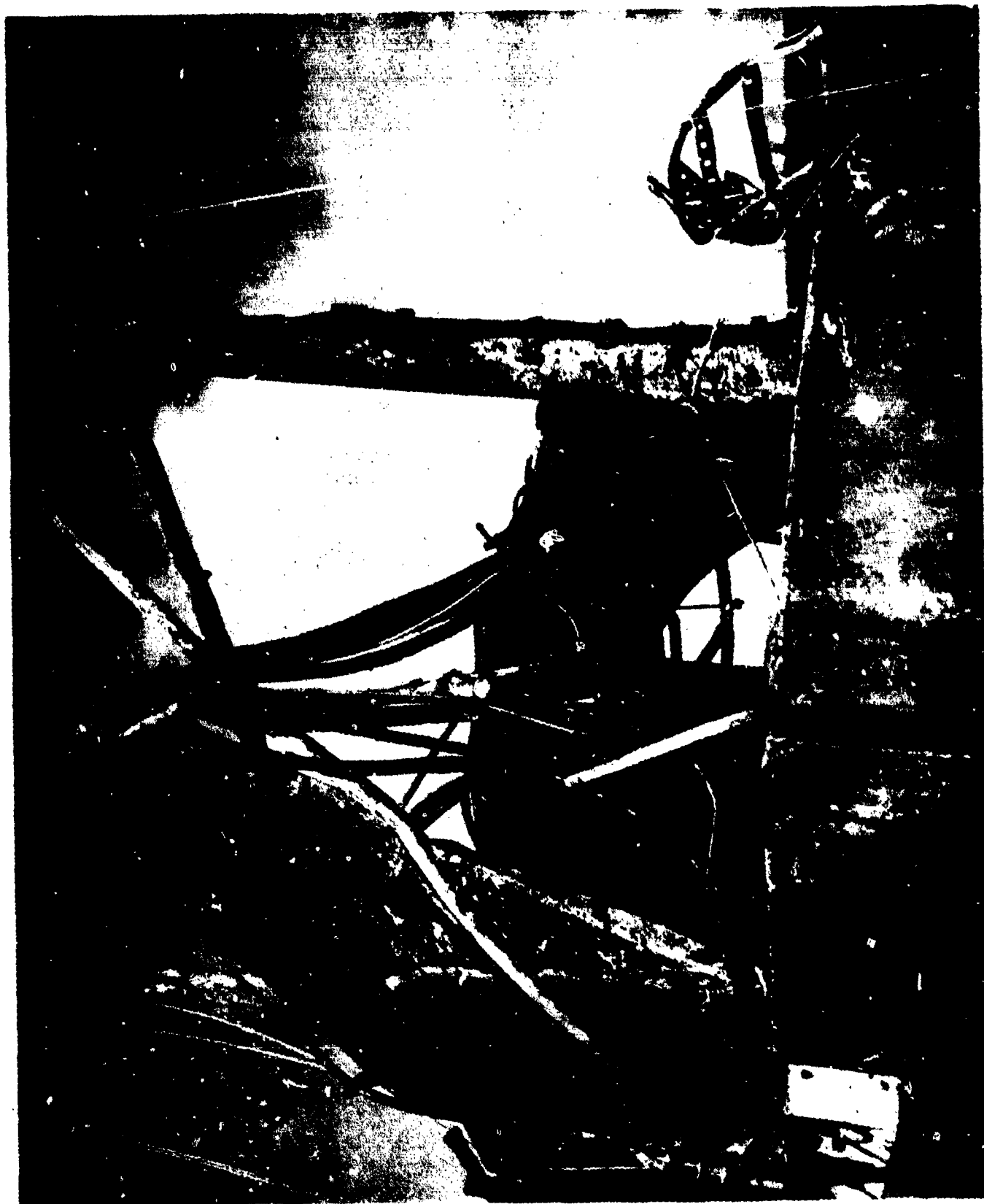
AA-CR-234-1989-12. Damage to a MHFA-44 cable. Note sheath and conductors blown out. Located on top of air defense station.

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AA-CR-62-1881-3. The cables to equipment on main battery fire control station and above were severed when the structure was blown over side of the ship, view looking forward.

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AA-CR-82-1920-1. Wireway under flight deck. Deck separated at expansion joint. Only two or three cables severed. Frame 112P side view looking down and outboard from flight deck.

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AA-CR-82-1917-9. Vertical wireway through hangar deck frame 92 port side hangar space cable damage due to deflection of bulkhead inboard. View looking aft.

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AA-CR-234-1989-3. Damage to degaussing coil cable under flight deck, frame 135 port side.

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AA-CR-82-1916-9. Cable through lighting hole in girder frame 122, port side second deck. Cable damaged due to buckle in girder view looking up and aft.

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AA-CR-82-1917-2. Cable through lightening hole in girder on 2nd deck, frame 116 port side. Damaged due to buckle in girder web. View looking aft.

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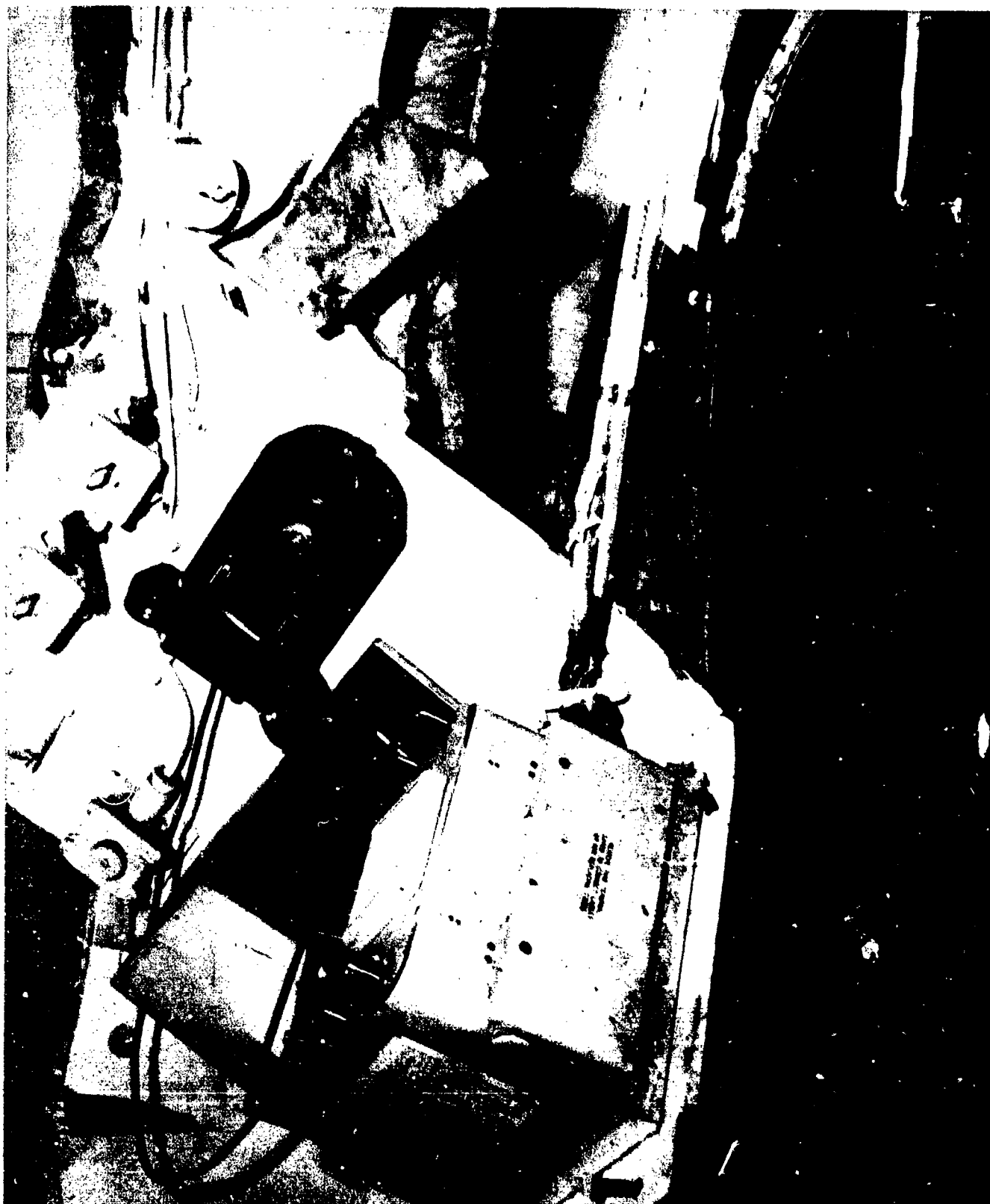
AA-CR-82-1916-3. Stuffing tube area through bulkhead 49 port side, second deck, break in cable due to deflection of tube area, view looking up and forward.

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AA-CR-82-1920-5. Wiring and wiring equipment etc. on metal joiner bulkhead, frame 40 port side galley deck. Damage due to failure of bulkhead. View looking aft and to starboard.

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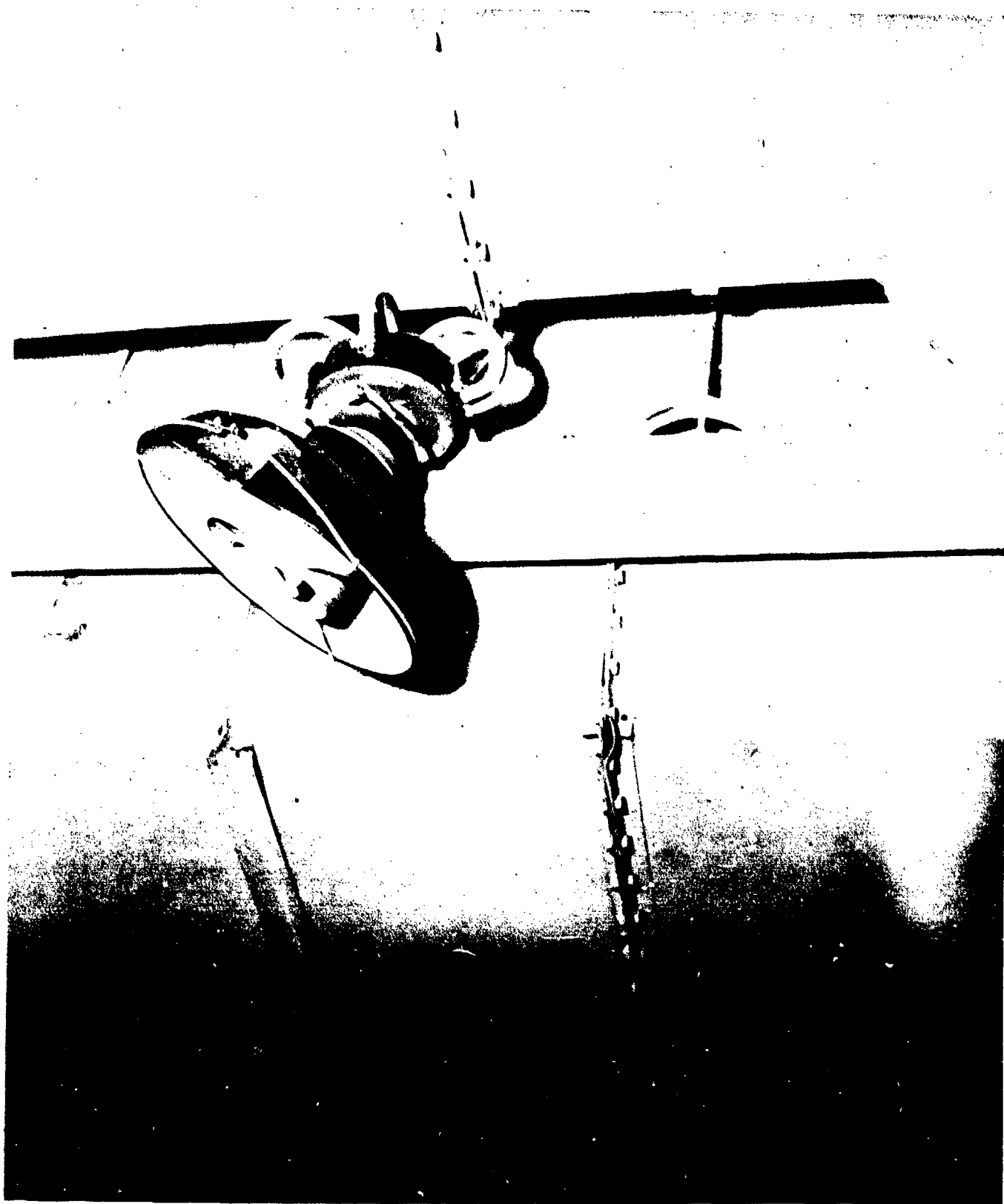
AA-CR-82-1920-6. Wiring and wiring equipment on metal joiner bulkhead, frame 41 port side galley deck. Wiring damaged by bulkhead deflection. View looking to port.

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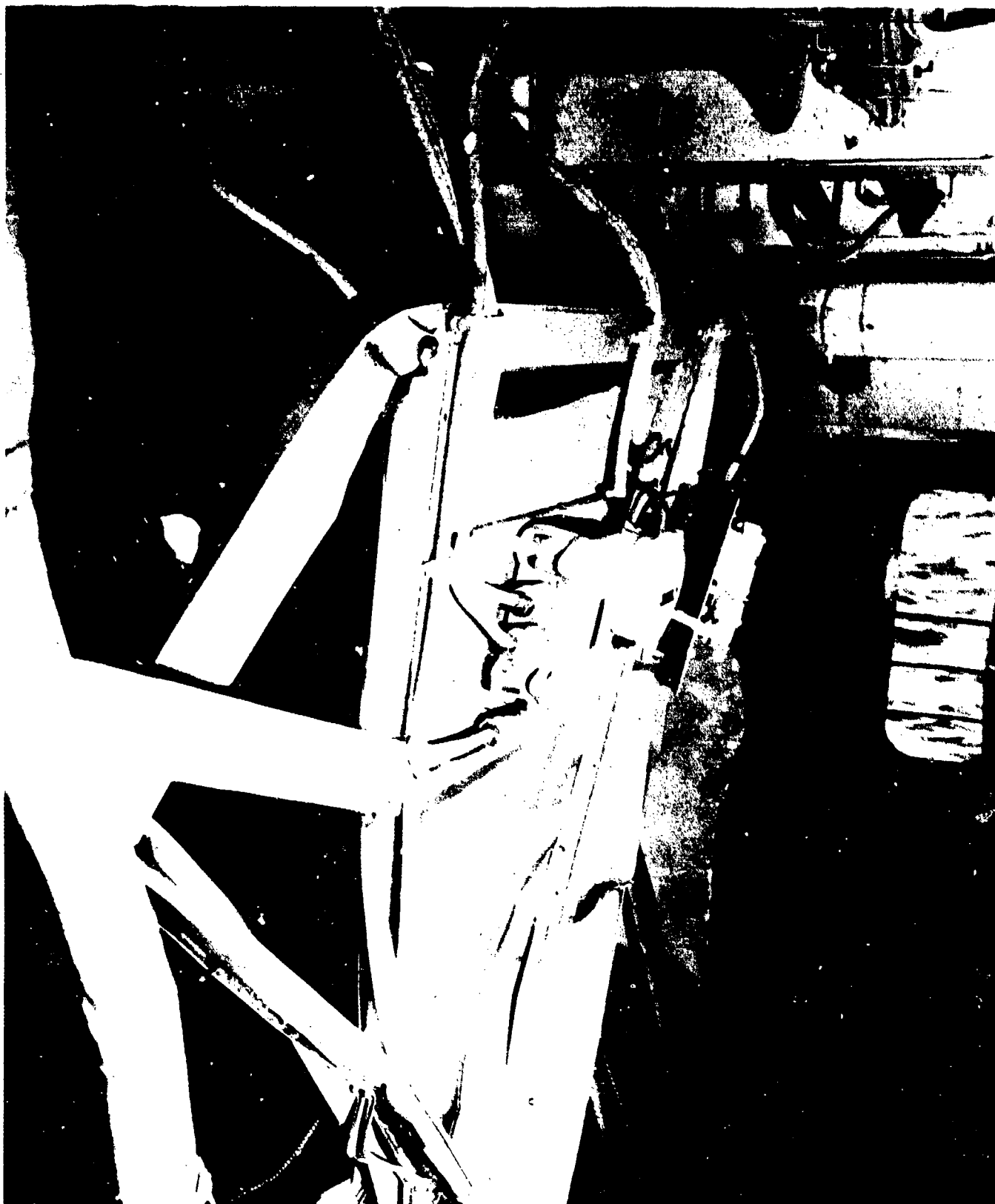
AA-CR-82-1920-7. Type "R-III" lighting fixture in state room frame 36 starboard side galley deck. Light damaged by falling clothes locker. View looking aft.

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AA-CR-82-1920-8. Wiring and wiring equipment on damaged metal joiner bulkhead, frame 44 athwartship passage focsle deck. View looking to starboard.

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AA-CR-62-1882-5. Distribution connection boxes located on bulkhead frame 44 port side athwartship passage on foscle deck. View looking to port and forward.

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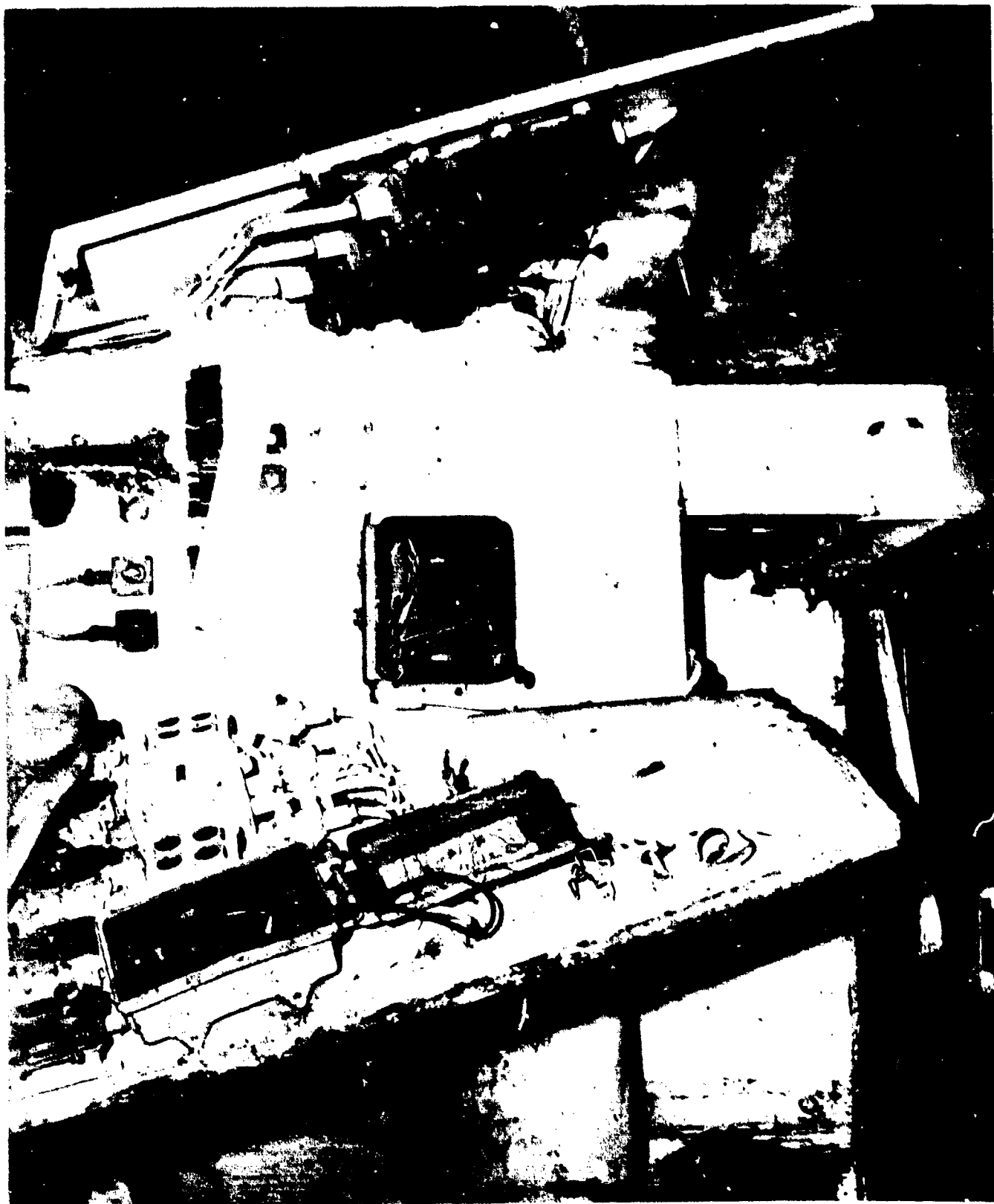
AA-CR-82-1917-6. Communication and control equipment at quarter deck station, frame seventy one starboard side hangar space. View looking starboard and aft.

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AA-CR-82-1917-7. Water curtain control switches, communication equipment and gasoline trunk ventilation controls frame 80 starboard side hangar space, view looking to starboard.

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AA-CR-82-1916-5. Casualty power terminal distorted and interior of 1MC reproducer missing bulkhead 49. Starboard side second deck, note damage to bulkhead, view looking up and aft.

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AA-CR-82-1916-11. Casualty power terminal distorted and "E" circuit connection box mounting feet broken bulkhead 119, port side, second deck. View looking aft.

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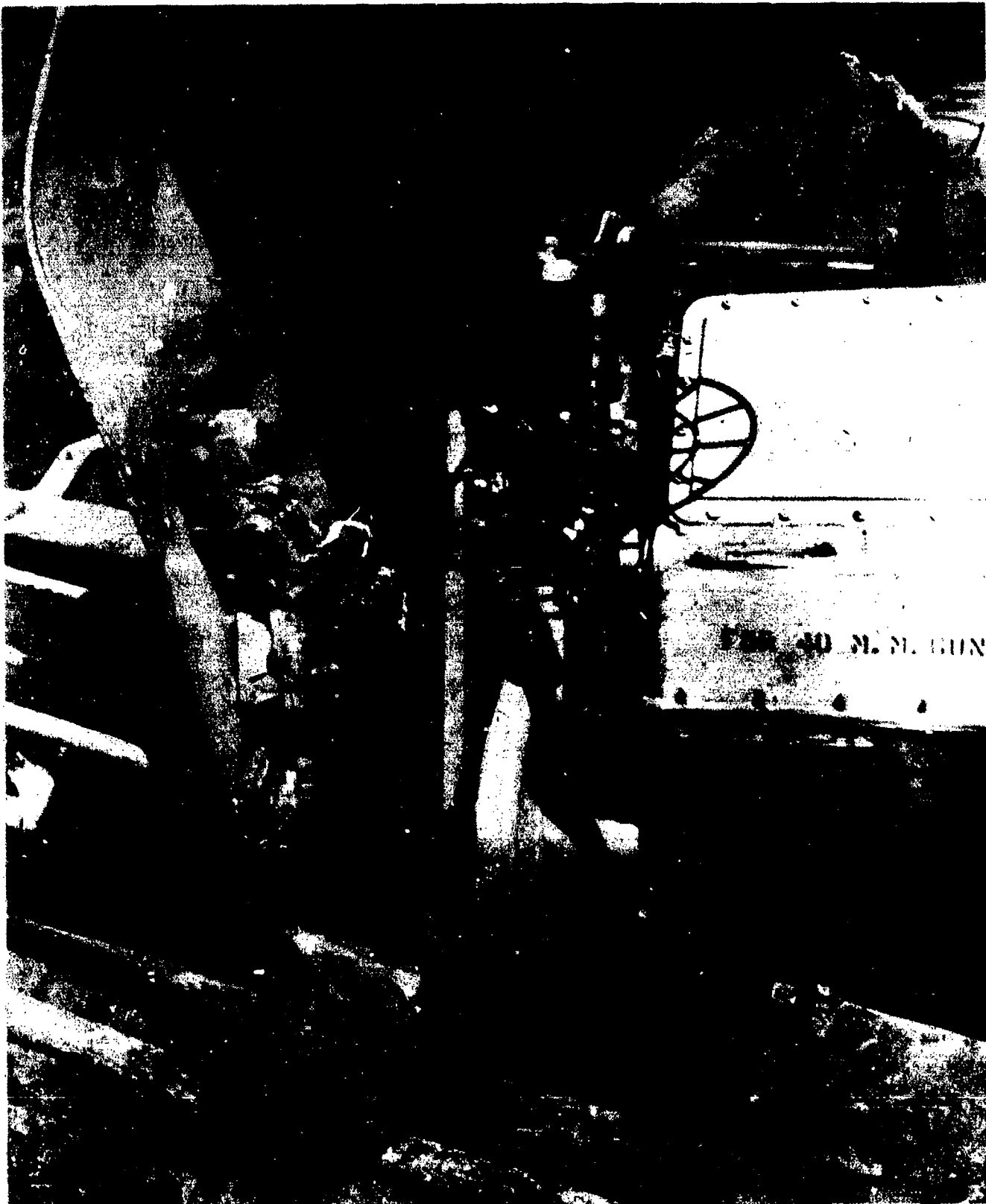


AA-CR-234-1990-4. Failure of mounts for telephone selector switch, jack-box and push button on bulkhead of island, air defense level.

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AA-CR-82-1919-10. Mounting failures and cable damage to fire control equipment on shield of MK51 gun director located at frame 28 port side galley deck. View looking down and outboard from flight deck.

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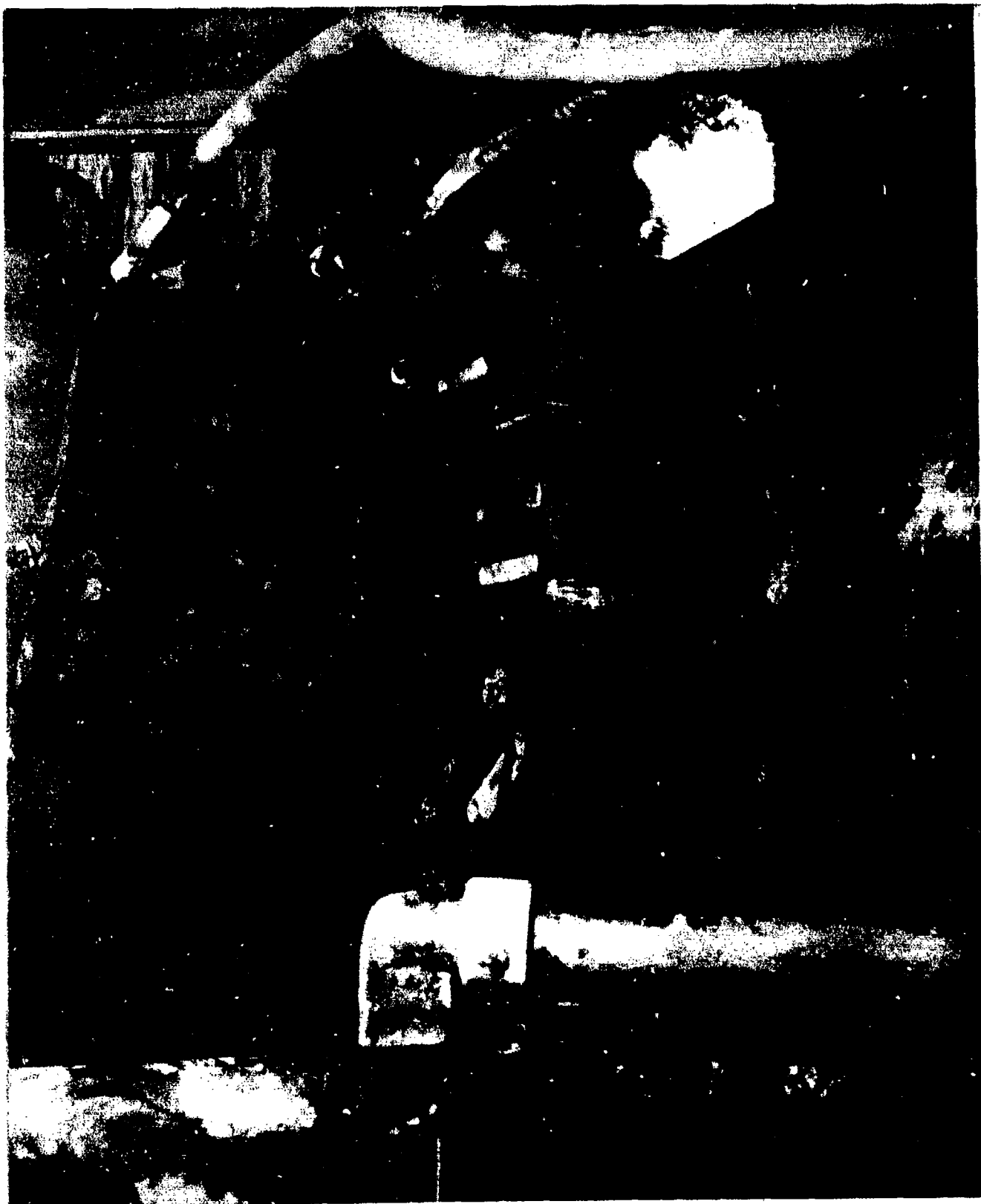
AA-CR-82-1918-7. Two power receptacles blown off foundation by blast pressure, located at frame 115 port side hangar space. View looking outboard.

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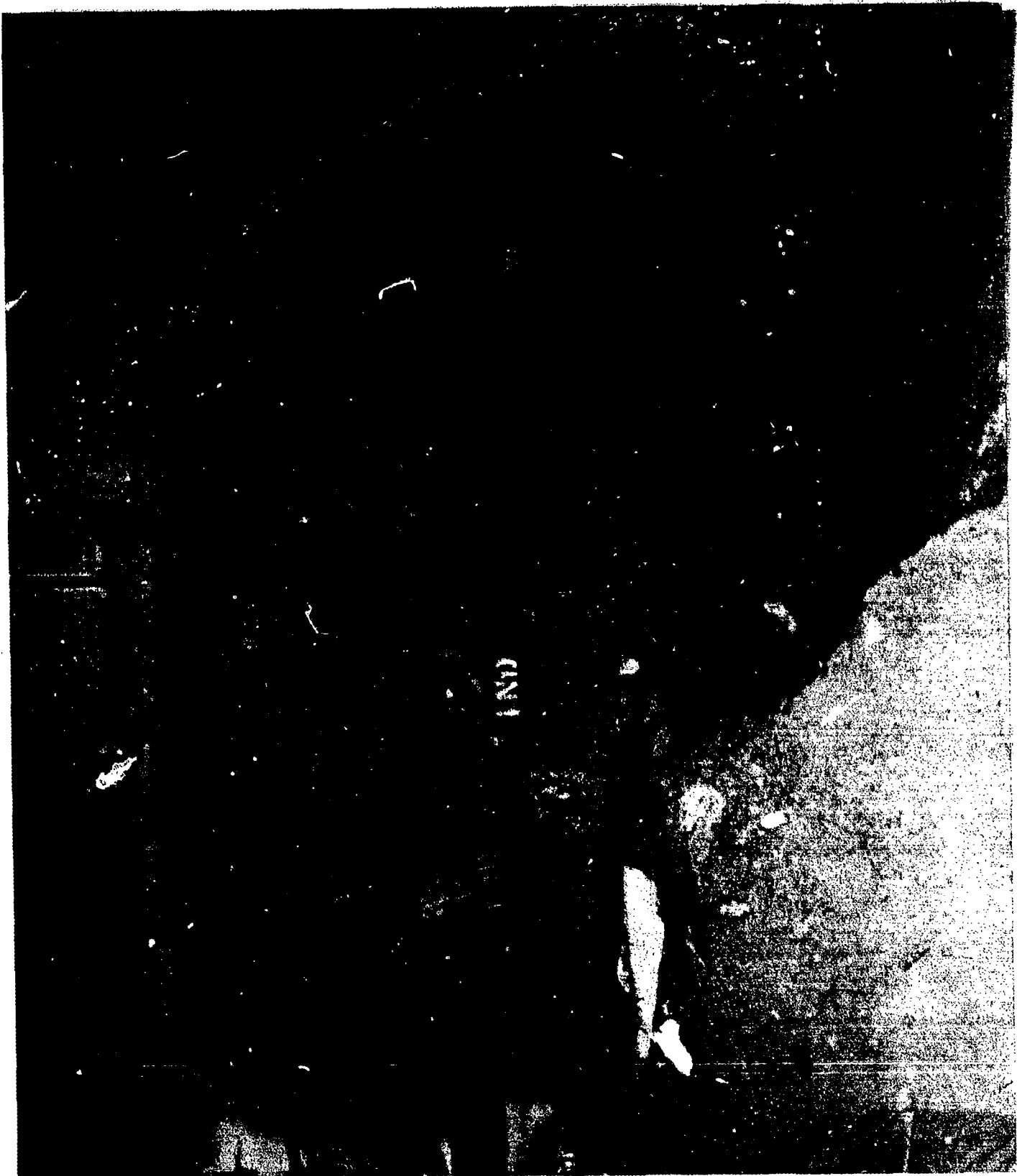
AA-CR-234-1989-7. Radar batteries located on gallery deck walkway, starboard side, frame 45. Cell jars broken and acid spilled.

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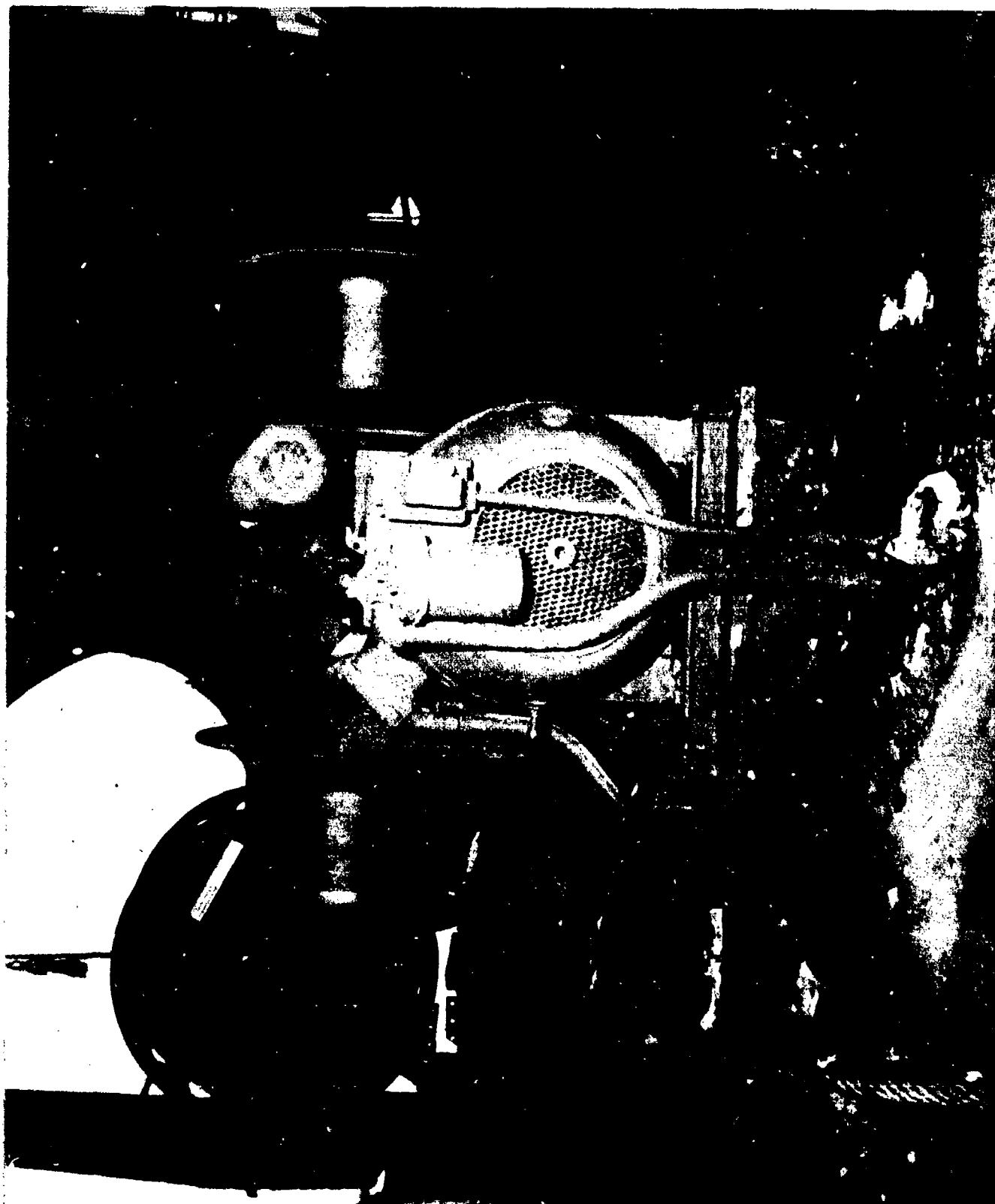
AA-CR-82-1920-2. Damage to storage batteries, radar repair shop, frame 75 starboard side galley deck. Cell covers lifted by blast pressure. View looking to port.

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AA-CR-82-1918-11. Winch apparently undamaged in spite of deflection in deck in way of stern working capstan. View looking to port on main deck aft.

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AA-CR-82-1918-9. Damage to controller and push button for port boat handling winch. View looking forward and inboard frame 125 hangar deck level.

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AA-CR-82-1918-10. Effect of heat and shock on control equipment for starboard boat winch. View looking aft and inboard frame 125 hangar deck level.

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AA-CR-82-1918-6. Damage to ventilation controller and type "C" automatic telephone unit, located at frame 113 starboard side hangar space. View looking aft and outboard.

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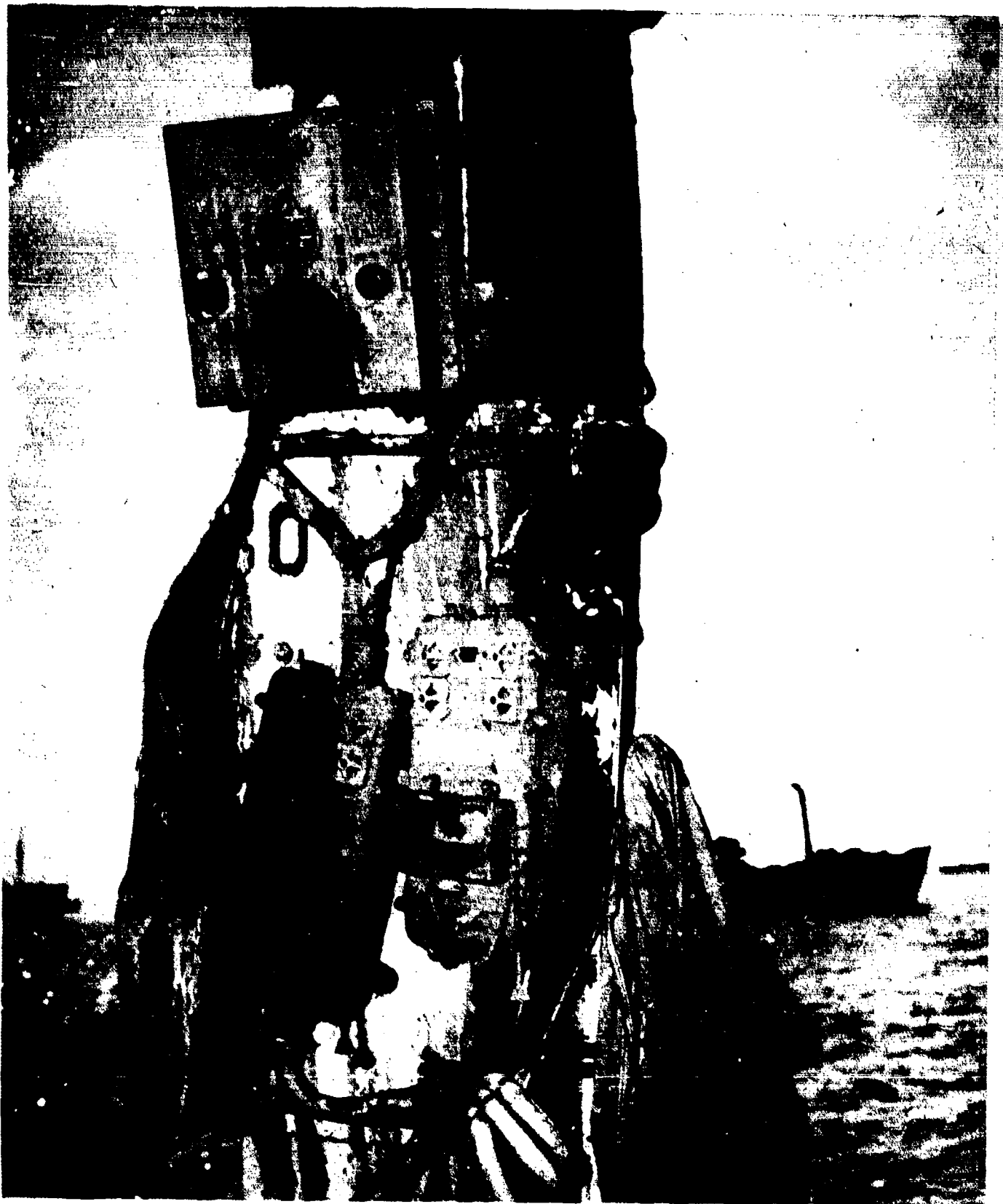
AA-CR-82-1917-5. Unit heater control switches located frame 56 starboard side, hangar space. Mounting bolts sheared and switches hanging by cable. View looking forward.

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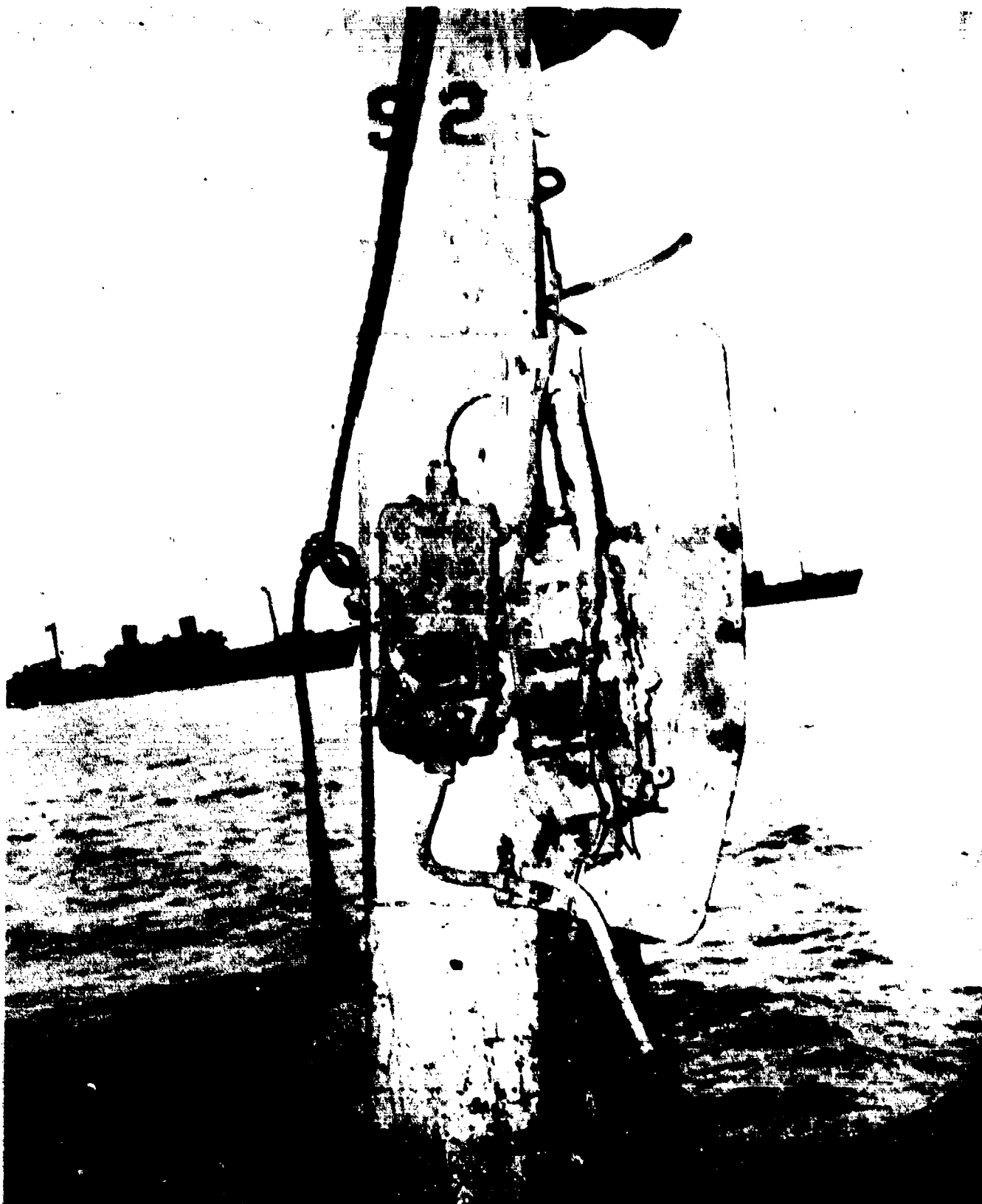
AA-CR-62-1882-2. Water curtain control switches and radio broadcast speaker, amplifier on bent frame 80 port side hangar space. One switch is missing. View looking outboard.

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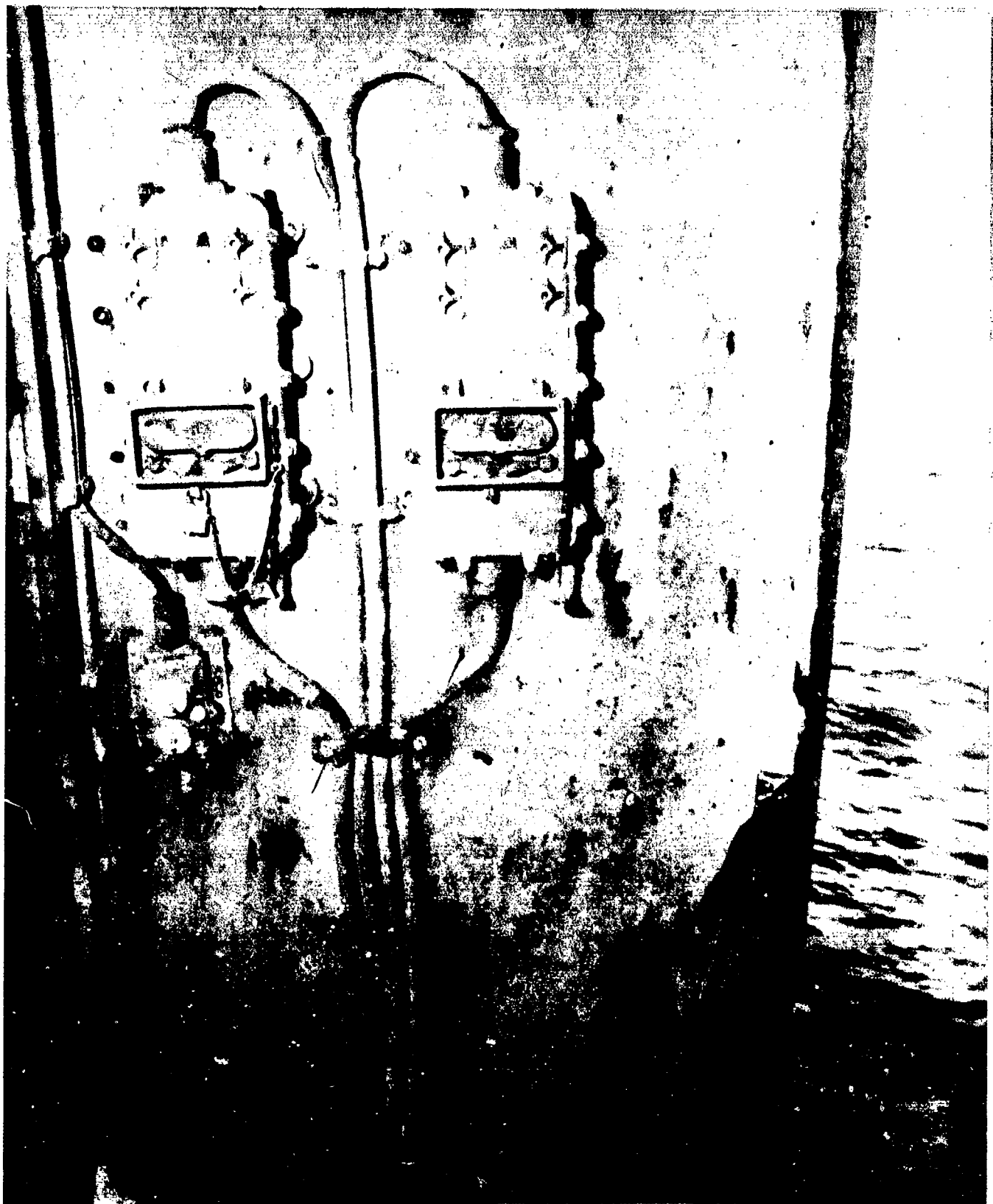
AA-CR-82-1918-5. Damage to water curtain control switches, located frame 8 port side hangar space. One switch missing. View looking outboard.

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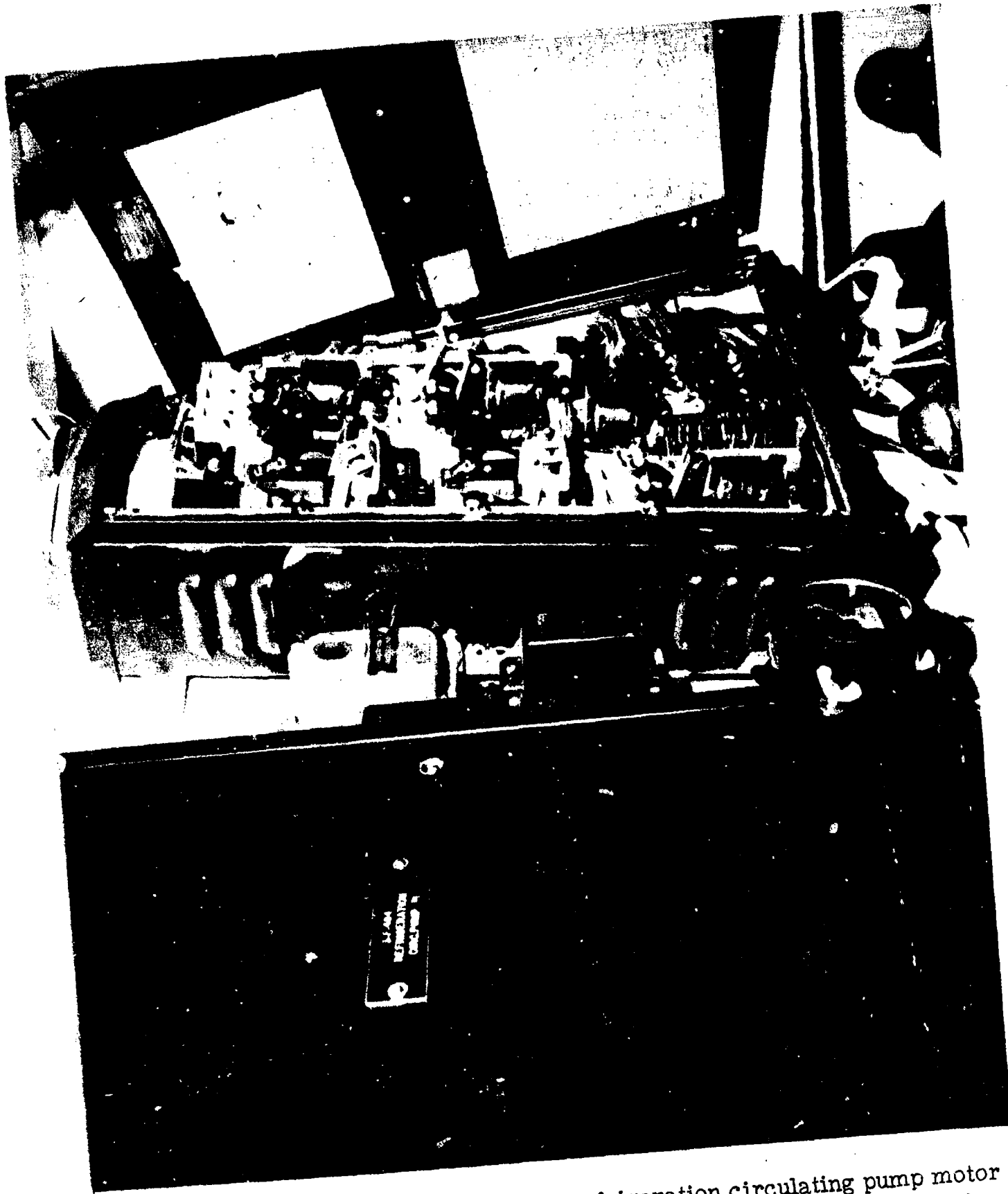
AA-CR-82-1918-8. Damage to cable at securing strap for water curtain control switches, frame 118 port side hangar space. View looking aft and outboard.

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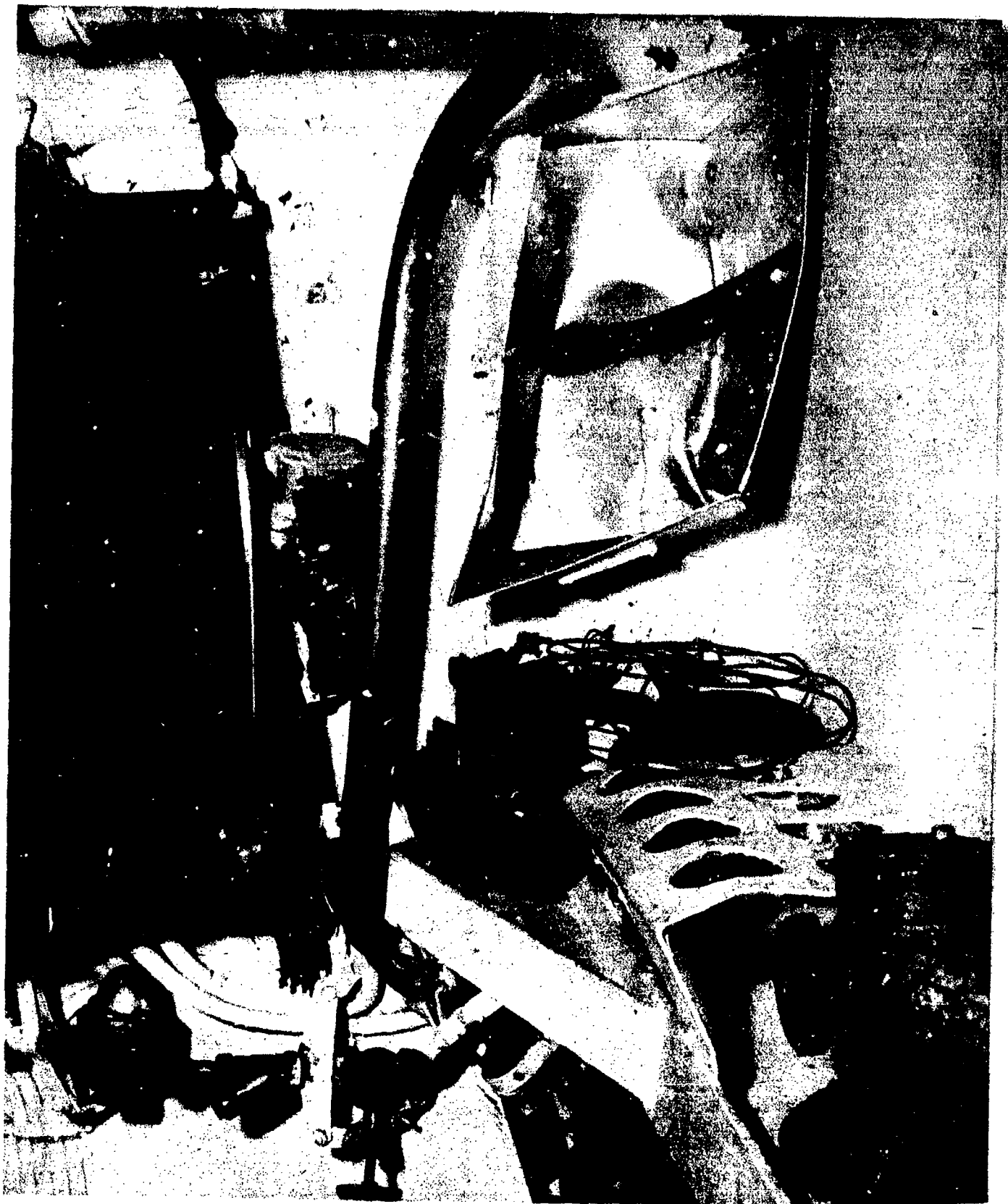
AA-CR-82-1916-12. Controller for refrigeration circulating pump motor #2 located on bulkhead 126 port side 3rd deck in ice machine room. View looking aft.

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AA-CR-82-1917-1. Damage to control push button for refrigeration circulating pump motor No. 2 and electric fan on bulkhead 126 port side 3rd deck in ice machine room. View looking aft.

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AA-CR-234-1989-1. Damage to deck edge landing light and wiring, gallery deck walking at after starboard area. View looking inboard and aft.

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AA-CR-62-1881-4. Damage to deck edge landing light of frame 84 port side of flight deck, view looking aft and outboard.

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AA-CR-234-1989-4. Damage to bar light at frame 96 port side gallery walkway one light blown off foundation and one damaged.

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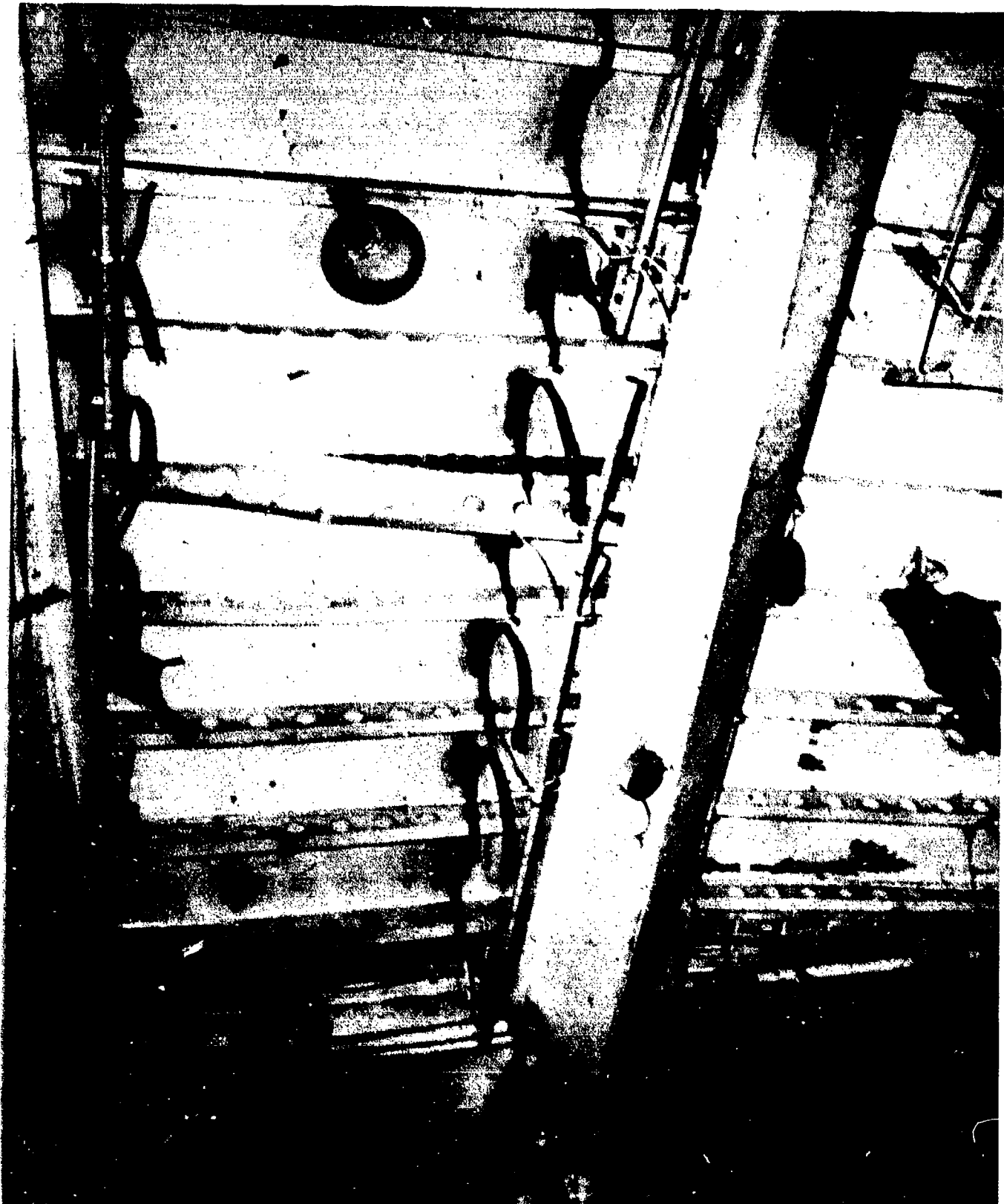
AA-CR-82-1919-11, Damage to port bow designation light, located on forward ramp of flight deck. View looking forward.

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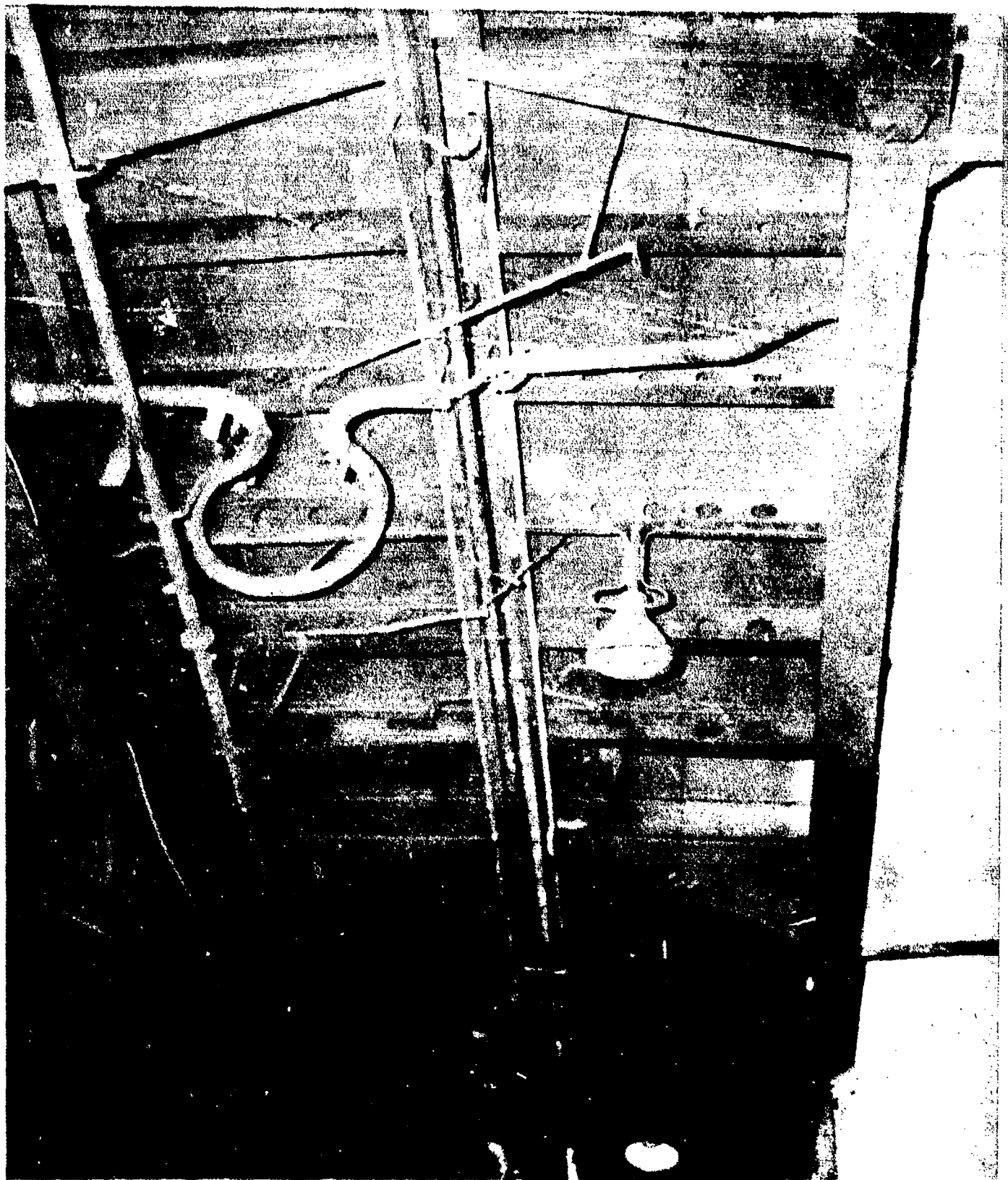


AA-CR-62-1882-4. Lighting fixtures and 3MC reproducers on under side flight deck in hangar space. View looking up and outboard frame 92-95 starboard side.

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AA-CR-82-1917-10. Lighting fixtures on underside of flight deck. Frame 64 starboard side, in hangar space. View looking up and to starboard.

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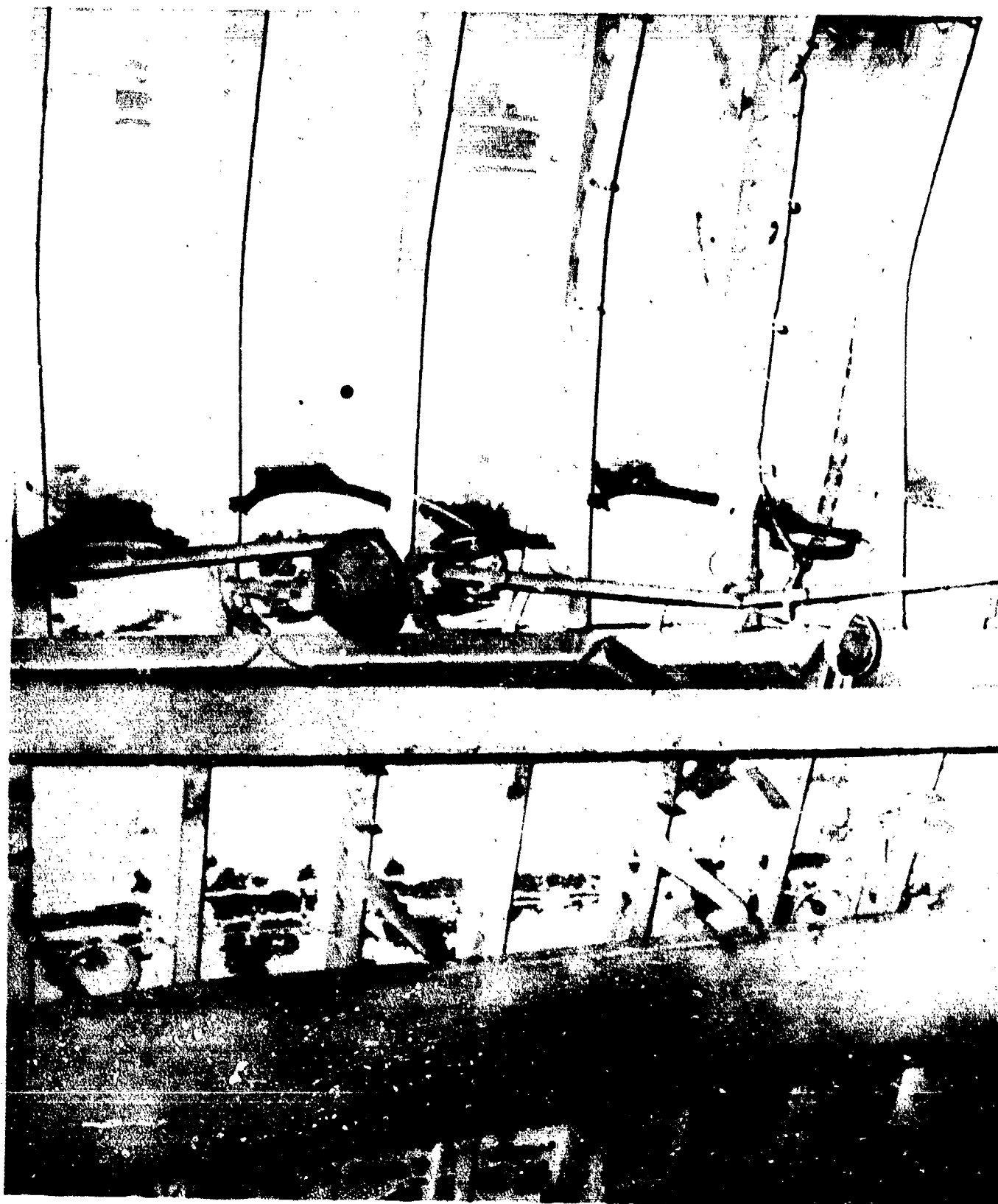
AA-CR-82-1917-11. Lighting fixtures on underside of flight deck frame
60 port side hangar space. View looking upward to port.

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AA-CR-82-1917-12. Lighting fixtures and "3MC" reproducer on under side of flight deck, frame 77 port side hangar space. View looking up and to port.

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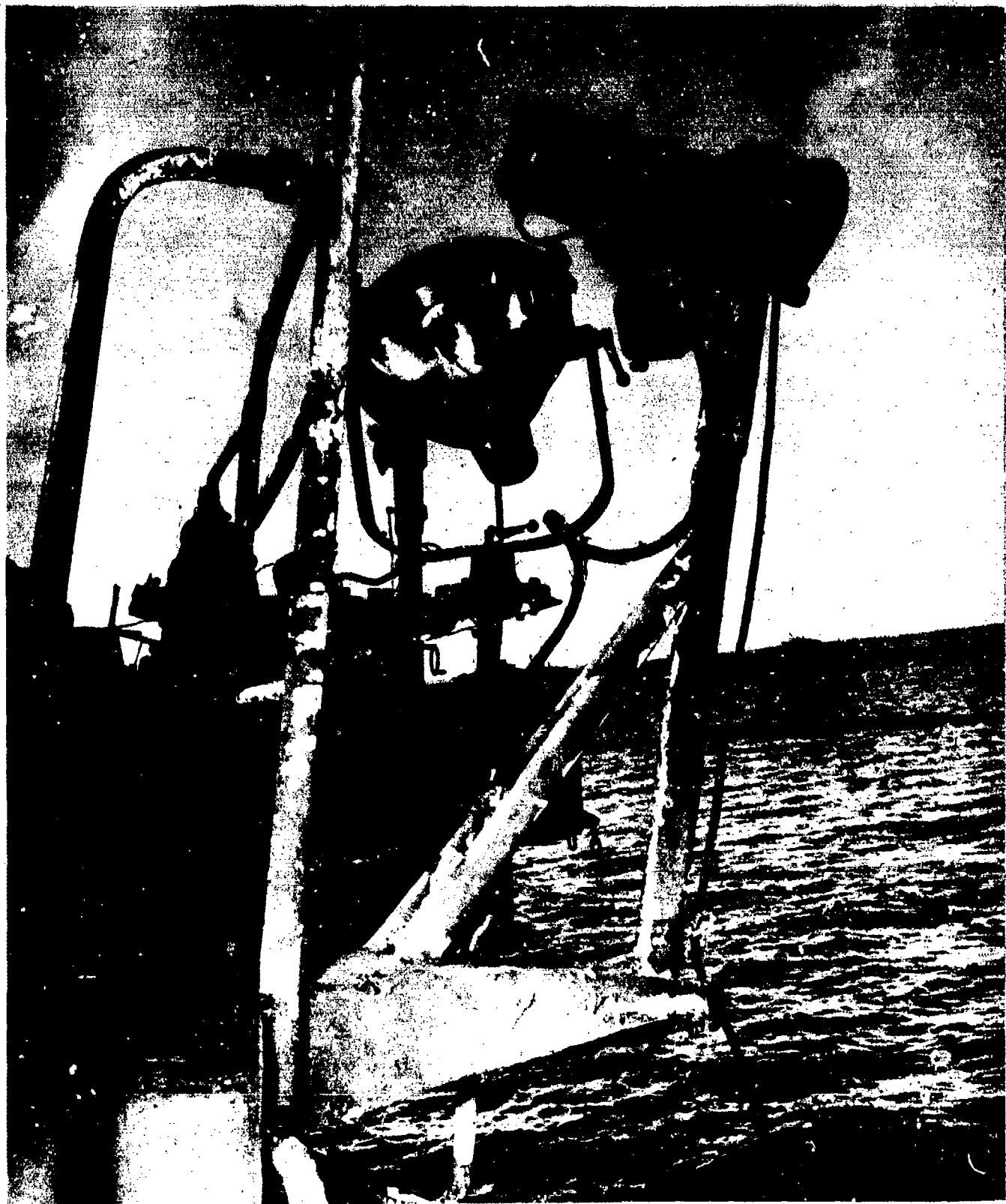
AA-CR-82-1919-4. Damage to lighting fixtures under flight deck in hanger space, frame 105. View looking up and to centerline.

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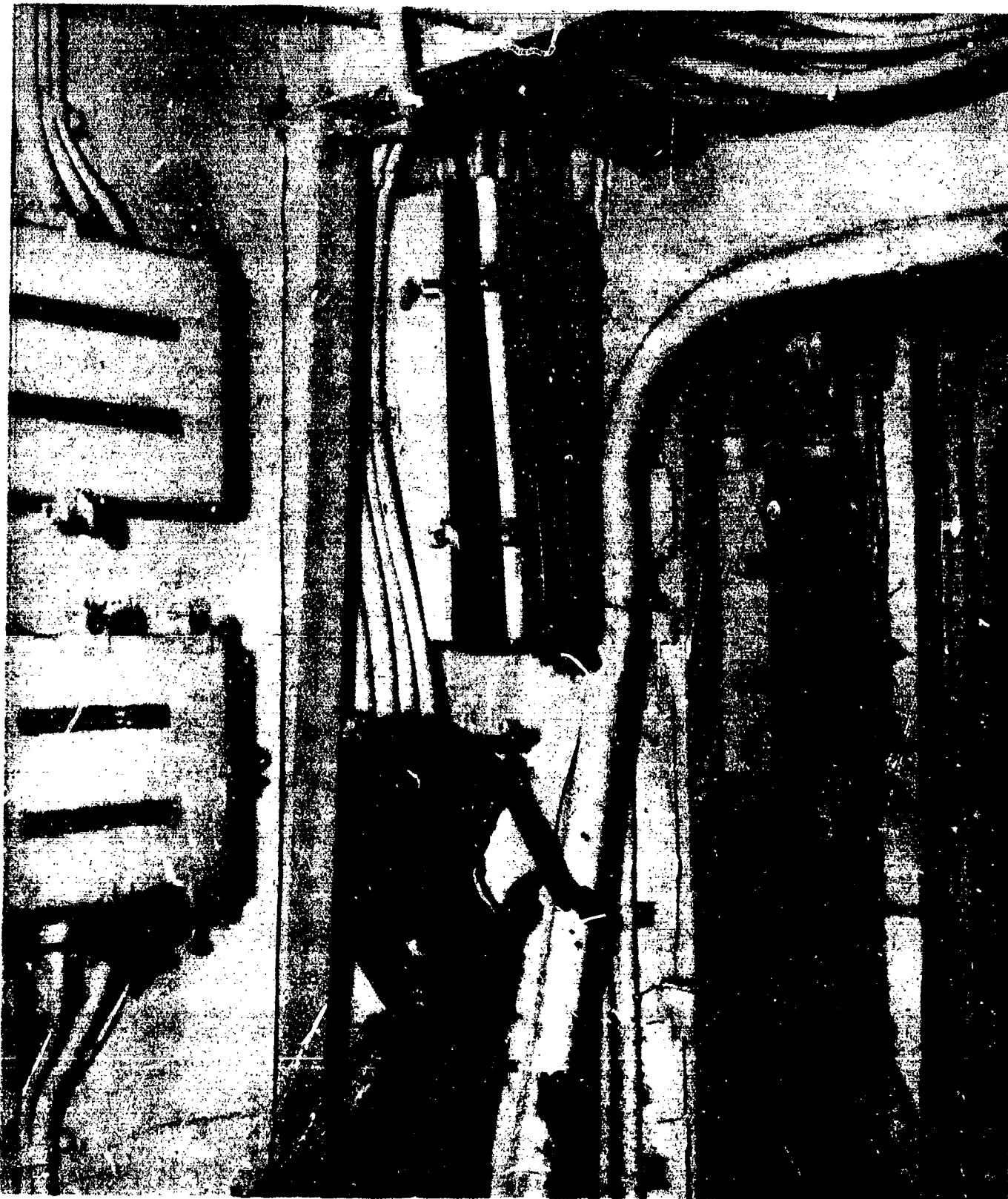
AA-CR-234-1985-11. 500W flood light and "3MC" reproducer mounted off gallery deck walkway frame 125 starboard. Note damage to speaker, light operable, flexible cable severed.

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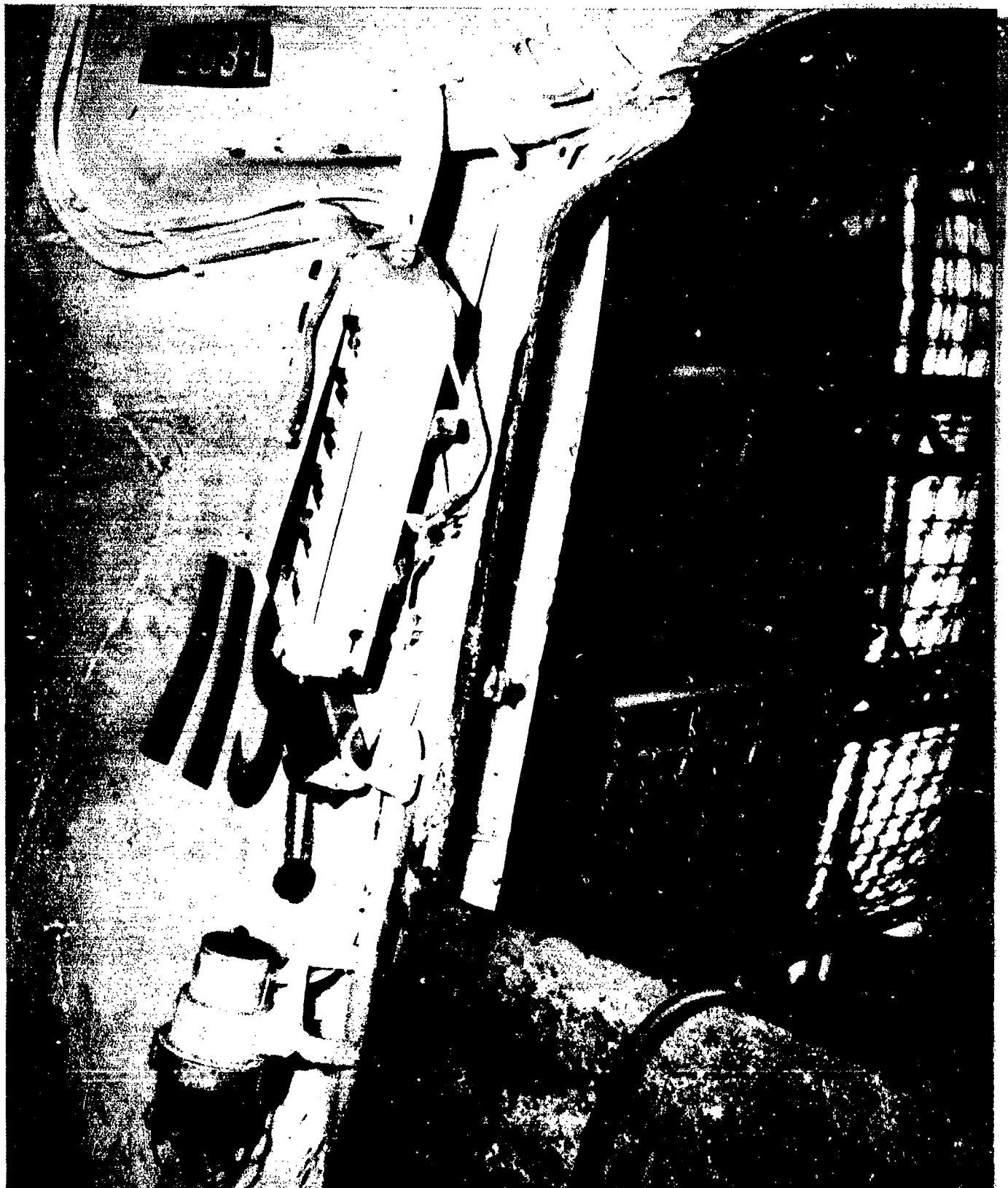
AA-CR-234-1989-8. A 4x and 12x lighting distribution box, frame 54 in flight deck control station. Enclosures damaged by inboard deflection of bulkhead.

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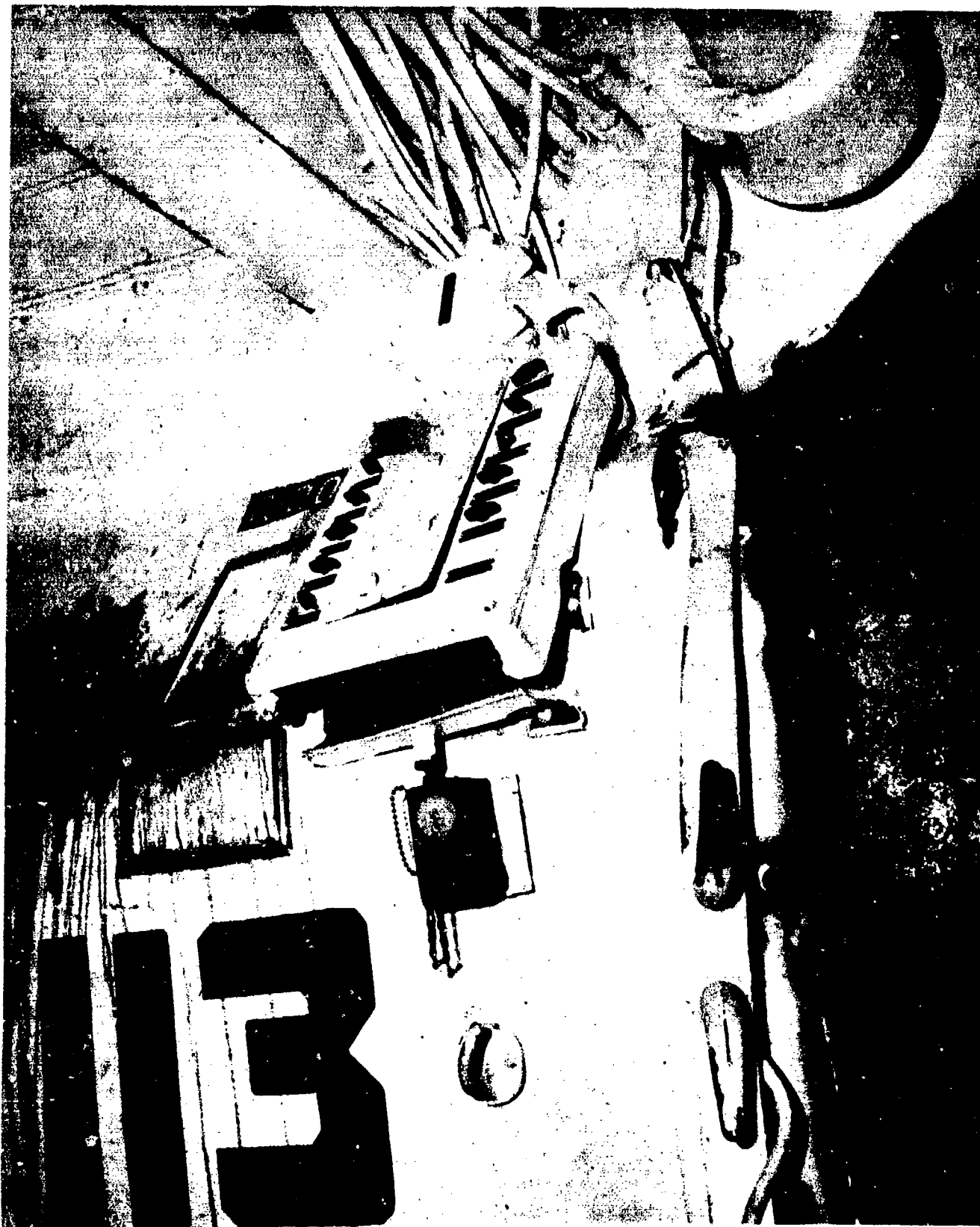
AA-CR-82-1916-8. "12T" lighting distribution box located on bulkhead frame 119 port side second deck mounting feet broken and cover distorted due to buckle in bulkhead. View looking forward and to port.

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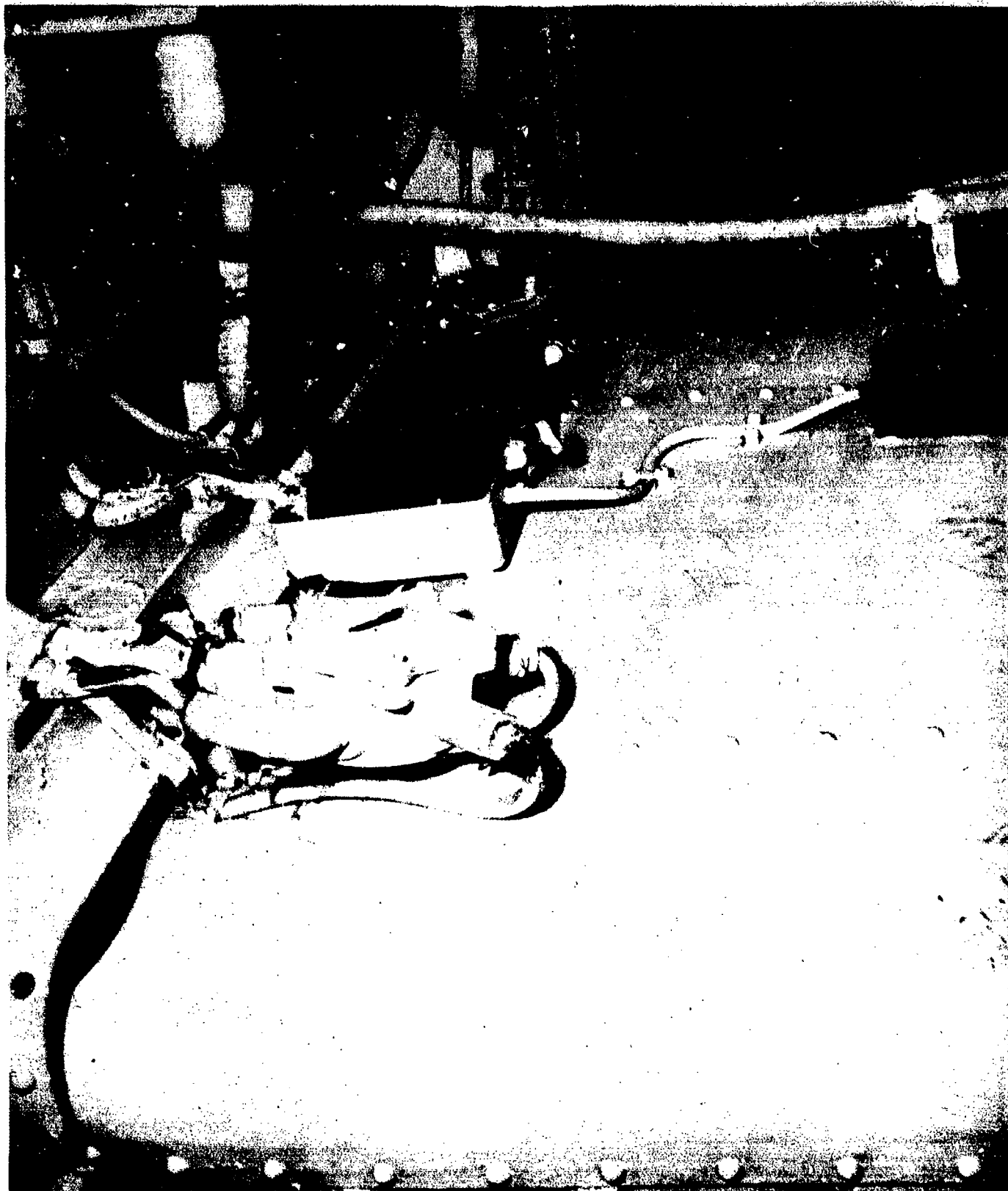
AA-CR-82-1916-10. "12T" lighting distribution box on bulkhead 113 starboard side second deck enclosure broken due to buckle in bulkhead. View looking forward.

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AA-CR-82-1916-4. Enclosure broken on a 12X lighting distribution box and mounting feet broken on 4MC connection box, located frame 53 starboard side second deck, note damage to bulkhead, view looking aft and to starboard.

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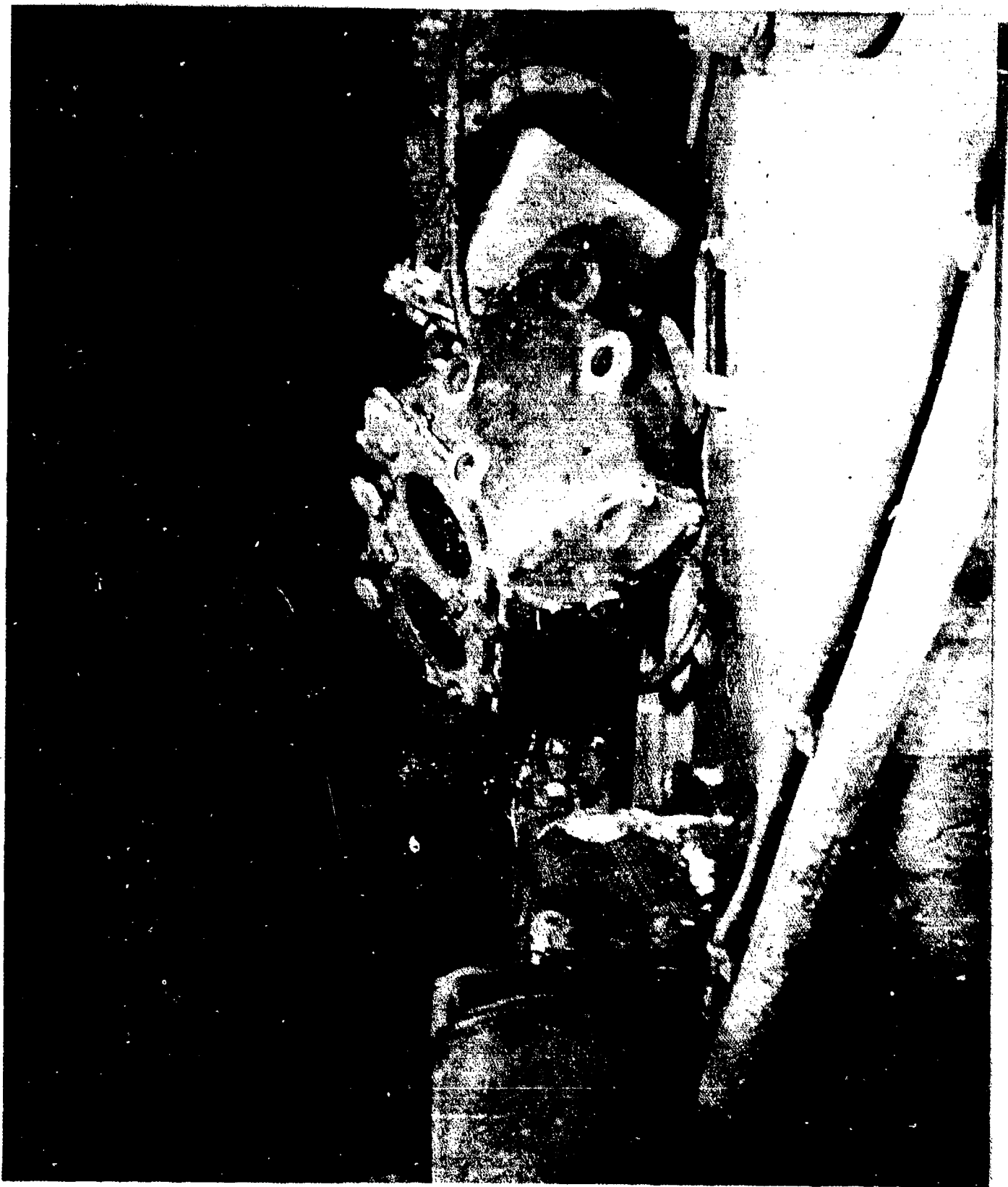
AA-CR-82-1917-3. "12X" lighting distribution box located on trunk, frame 104 port side 3rd deck, cover and enclosure distorted due to buckle in bulkhead. View looking to port.

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AA-CR-82-1919-12. Failure of shock mounts on gyro compass repeater located at secondary conning station port side galley deck walkway forward.

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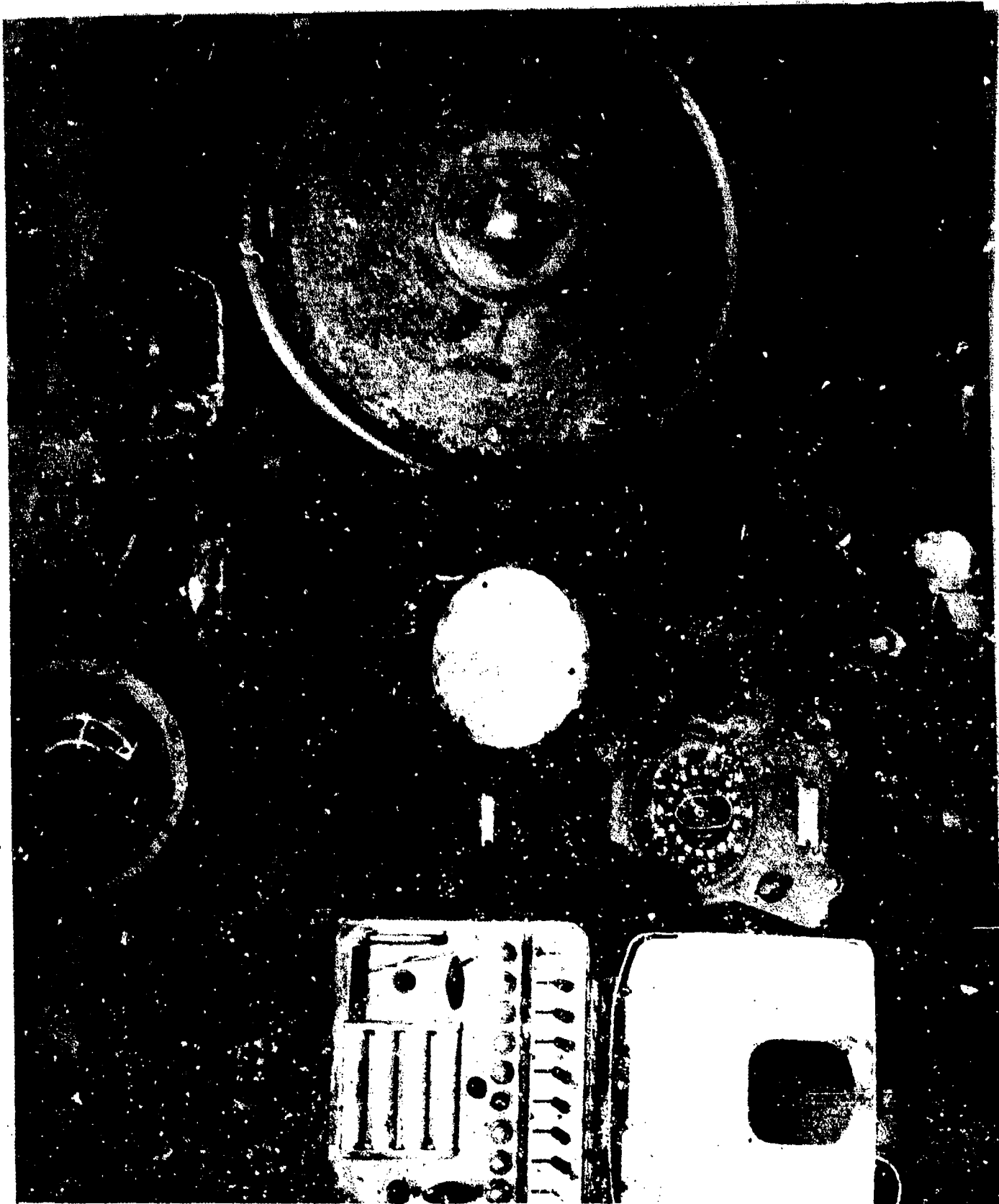
AA-CR-62-1880-12. Broken pedestal of starboard pelorus on air defense station, overlooking forward.

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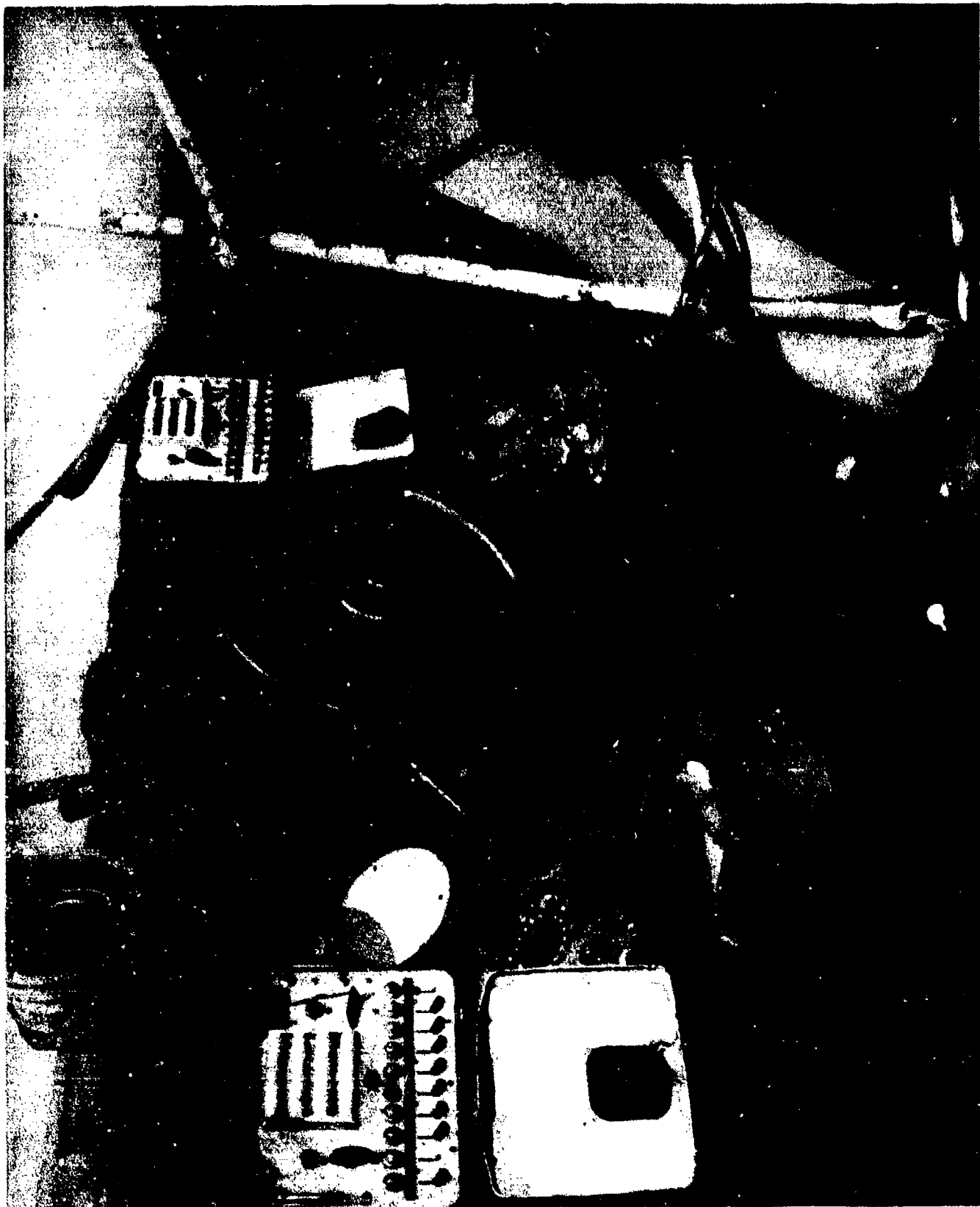
AA-CR-62-1881-1. Navigation equipment located on forward blast shield of air defense level at open steering station, overlooking forward.

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AA-CR-62-1881-2. Navigation equipment located on forward blast shield of air defense level at open steering station, overlooking forward and starboard. \

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AA-CR-234-1989-10. Gyro compass repeater in chart house on forward bulkhead. Note failure of shock mounts. View looking forward and to port.

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AA-CR-234-1990-3. Failure of shock mounts on "1MC" inter-communication unit "type 1A" located on blast shield at fly control station.

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AA-CR-62-1880-9. One of three "3MC" reproducers and foundations from which two units were broken loose, mounted on port side of island bulkhead above flight deck overlooking to starboard.

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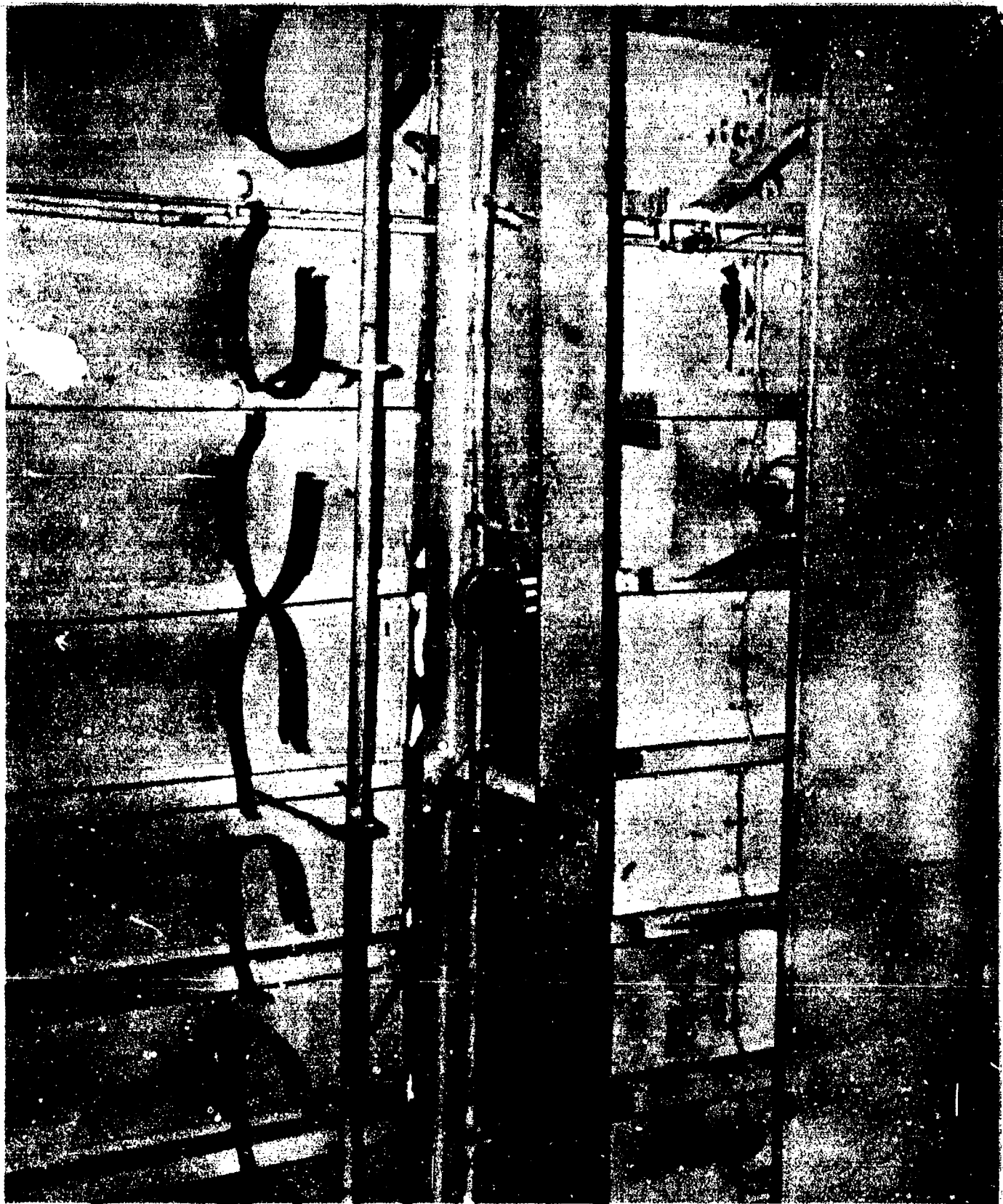
AA-CR-62-1880-10. Two 3MC reproducers laying on flight deck, which were broken loose from foundations on port bulkhead island structure above flight deck, overlooking and down to starboard.

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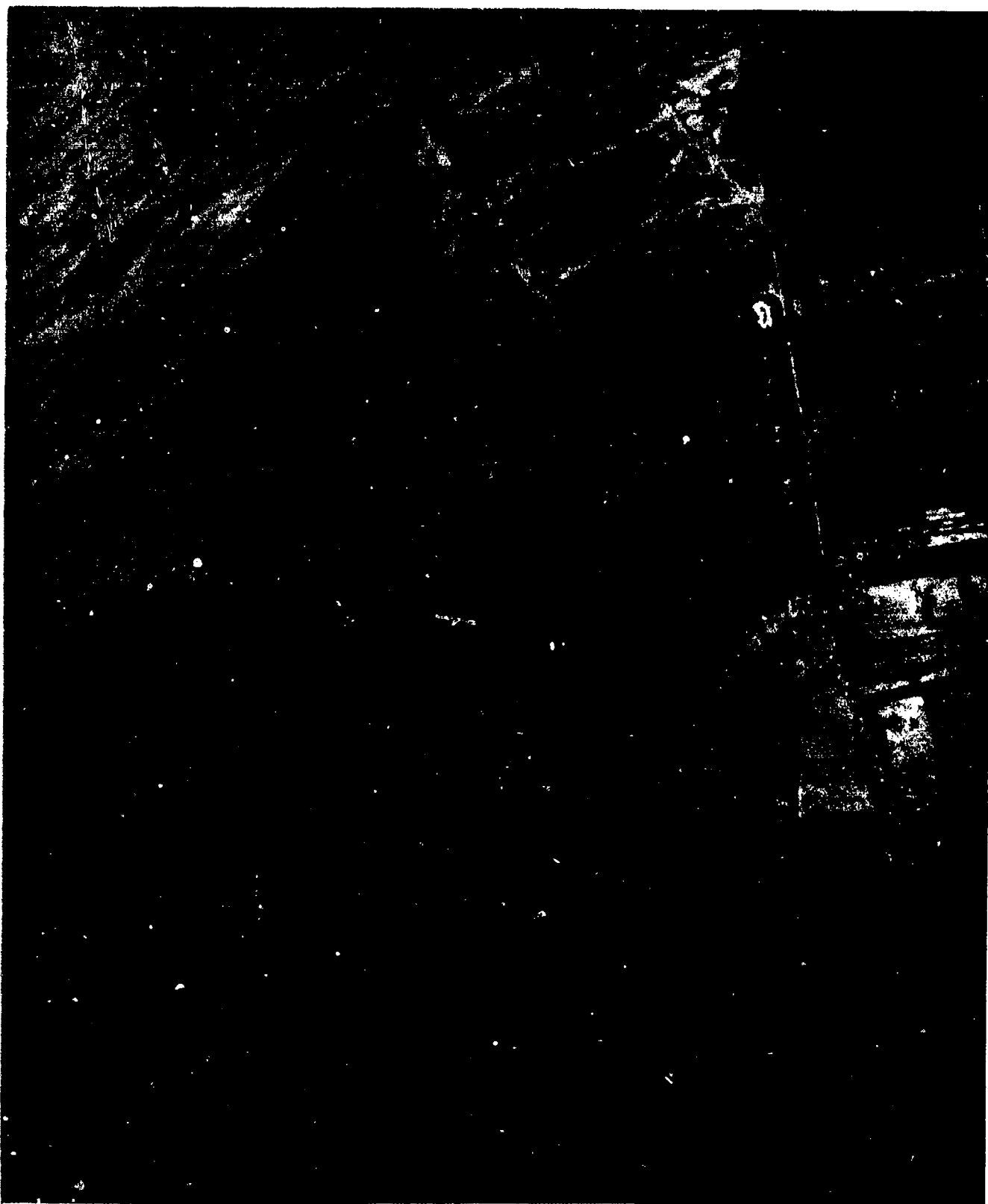
AA-CR-82-1918-4. Enclosure for "3MC" reproducers from which interior has been ejected. Located under flight deck in hangar space, frame 95. View looking up and to starboard.

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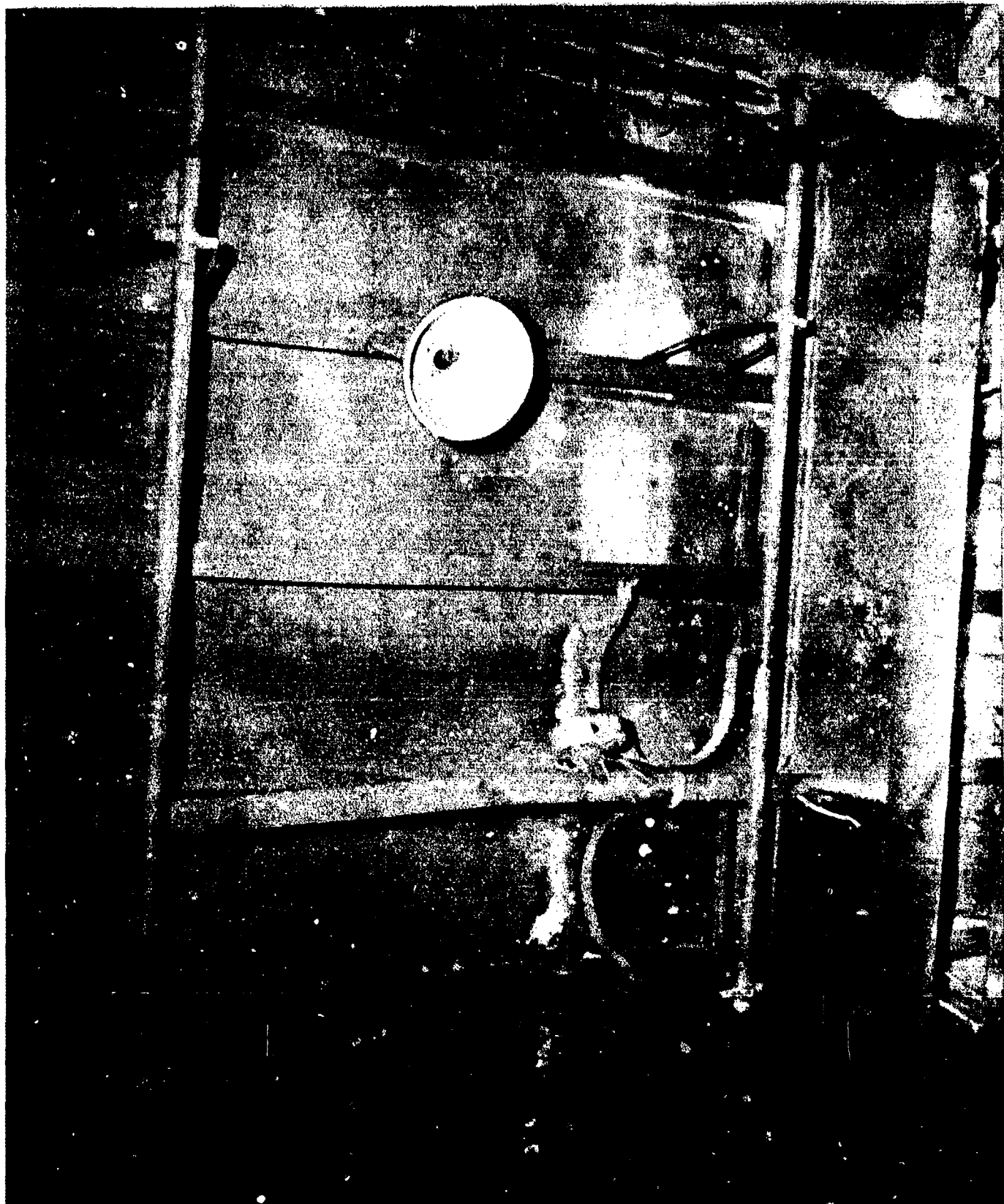
AA-CR-82-1920-10. Two foundations for "3MC" reproducers, mounting feet were broken on units. Frame 38 port side galley walkway. View looking outboard and forward.

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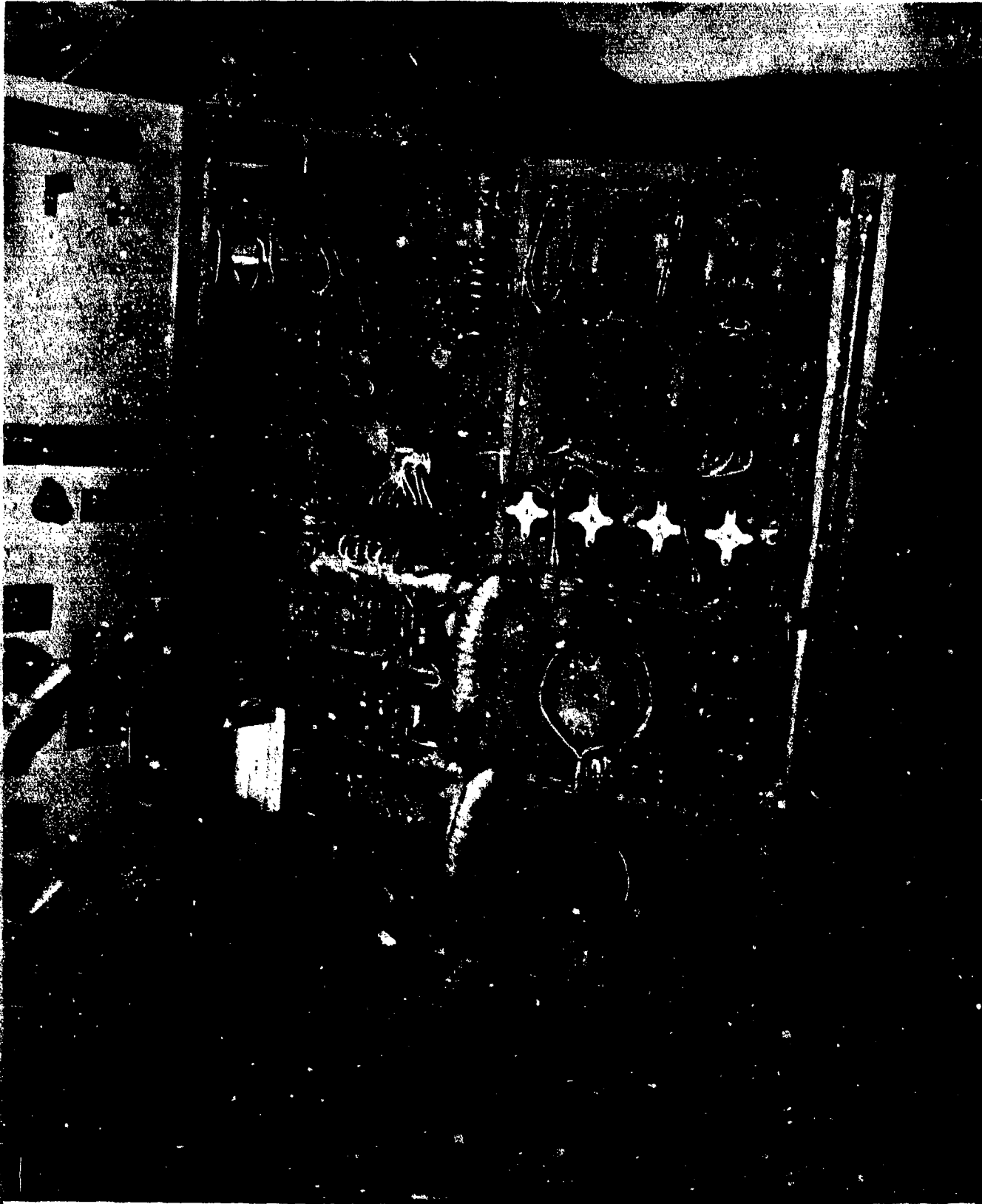
AA-CR-82-1919-5. Damage to lamp in lighting fixture located under flight deck in hangar space, frame 105. View looking up.

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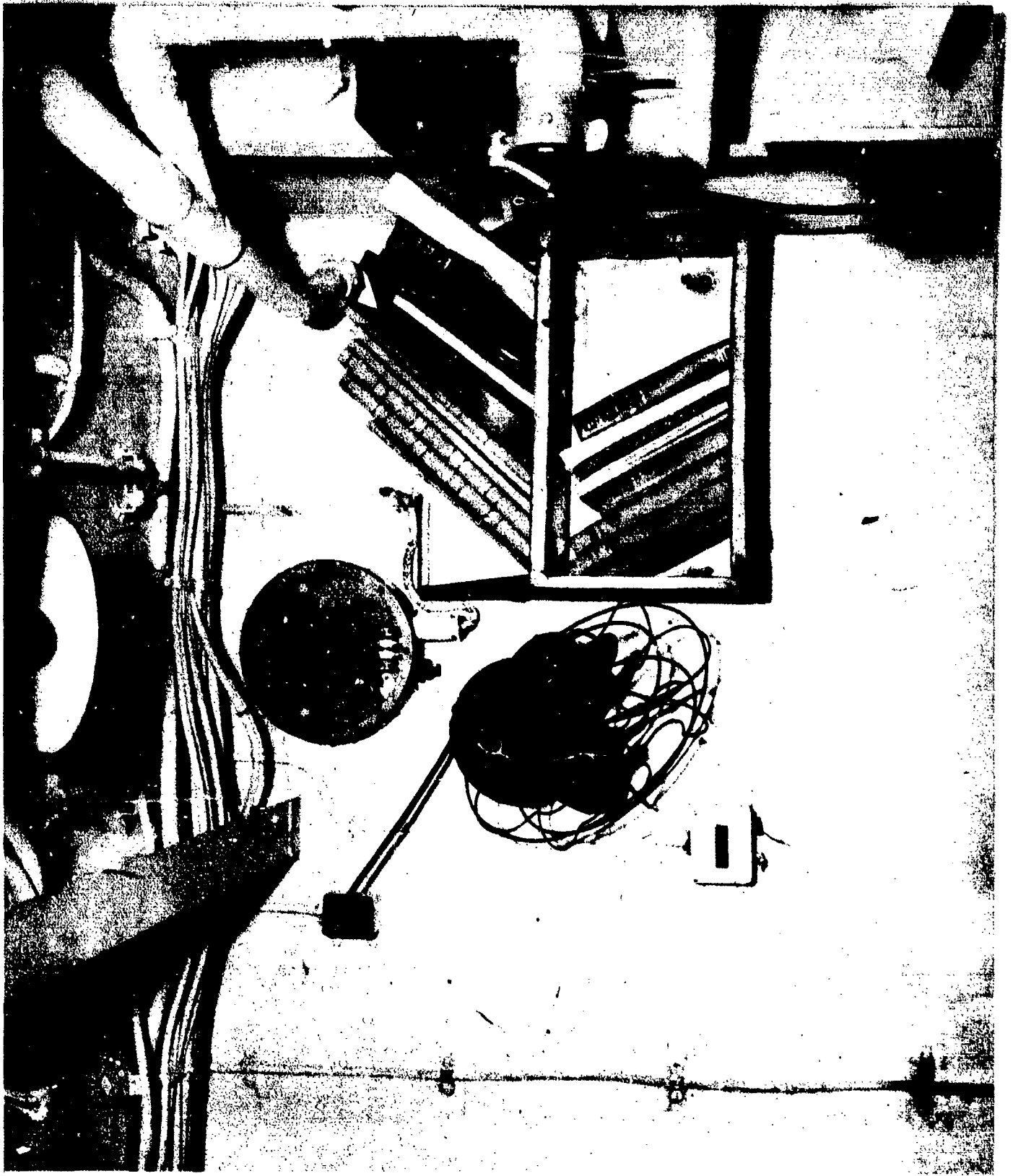
AA-CR-82-1920-11. "5MC" amplifier control rack, panel dislodged from foundation, wiring damaged, and panel controls damaged, located frame 46, port side galley deck. View looking inboard from port.

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AA-CR-234-1989-6. Enclosure for "1MC" reproducer in and chart house, frame 57 starboard side gallery deck. Interior missing after test.

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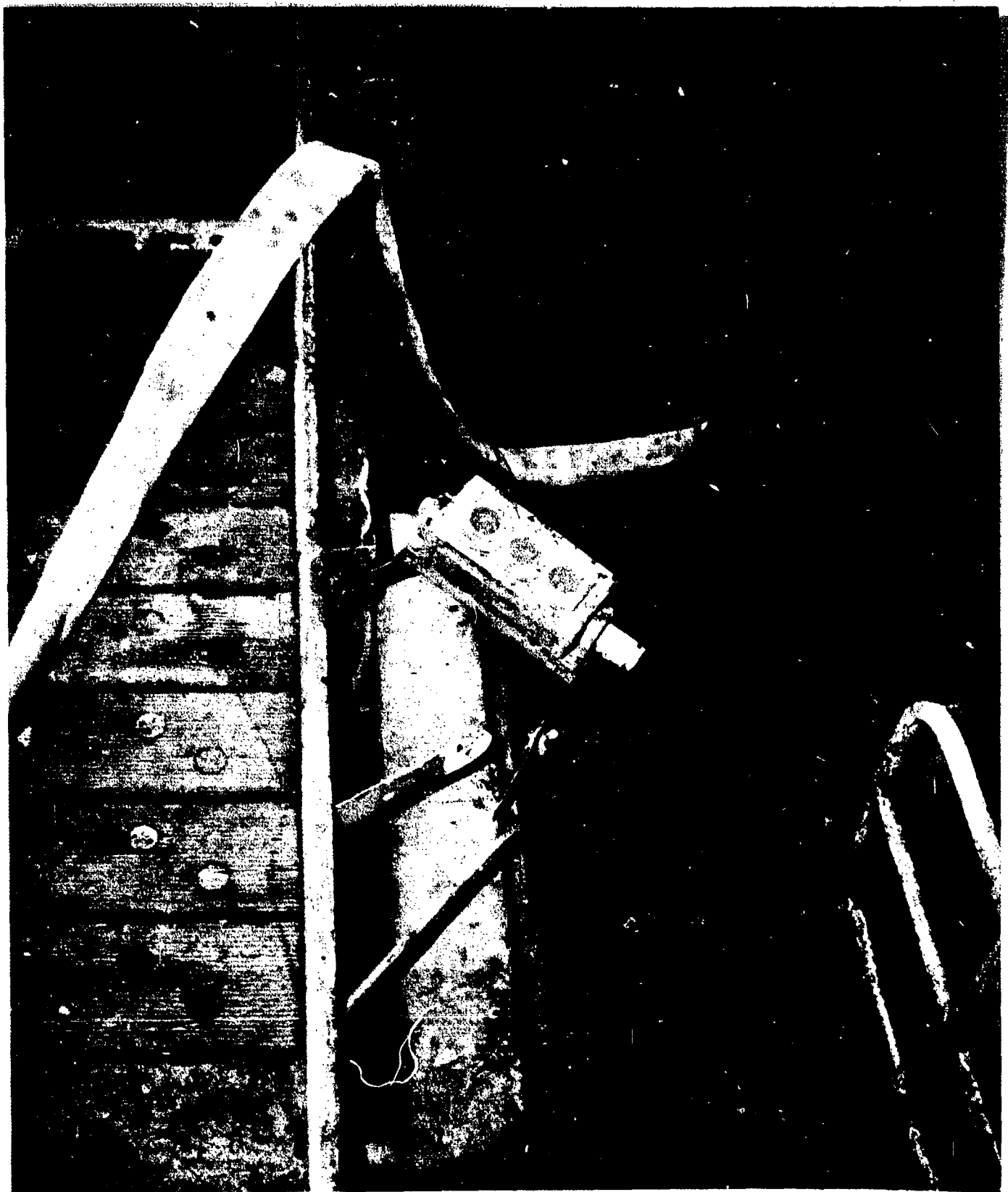
AA-CR-234-1989-9. Engine order and revolution telegraph in pilot house. Pedestal broken off at base instrument left standing and operable. View looking forward.

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AA-CR-82-1920-9. Catapult ready light indicator frame 22 starboard side flight deck plastic lens damaged by radiant heat of bomb and foundation bracket broken.

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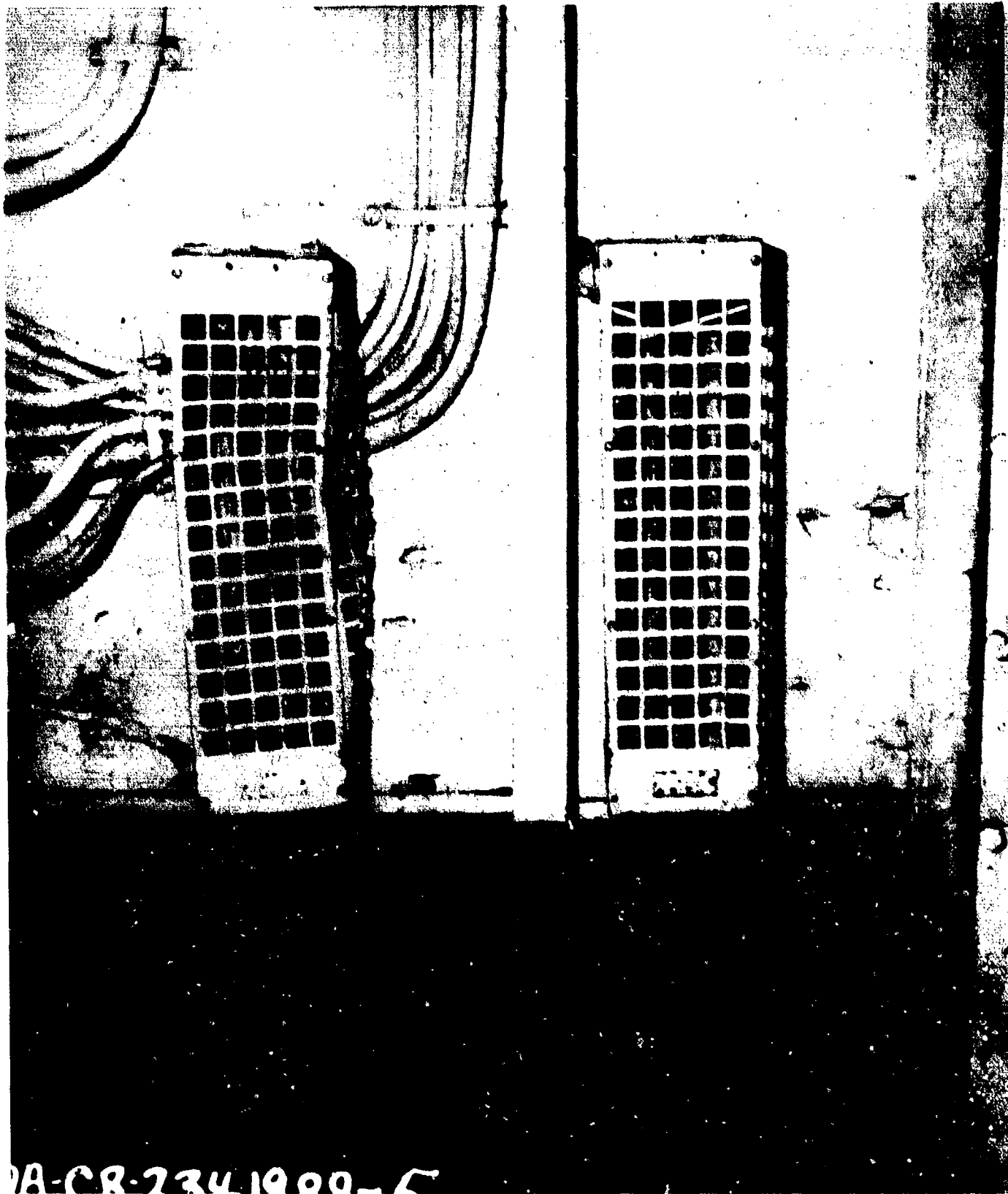


AA-CR-82-1917-4. Damaged controller for hot point range in W.O. pantry, frame 37 port side of 3rd deck.

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AA-CR-234-1989-5. Damage to non-radiant heater, by loose furniture falling against it. Grids were broken located in aix. Chart house from 51 starboard on gallery deck.

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TRC

Defense Special Weapons Agency
6801 Telegraph Road
Alexandria, Virginia 22310-3398

10 April 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTENTION: OMI/Mr. William Bush

SUBJECT: Declassification of Reports

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) Security Office has reviewed and declassified the following reports:

AD-366718✓	XRD-32-Volume 3	
AD-366726✓	XRD-12-Volume 2	
AD-366703✓	XRD-16-Volume 1	
AD-366702✓	XRD-14-Volume 2	
AD-376819L✓	XRD-17-Volume 2	
AD-366704-	XRD-18	
AD-367451✓	XRD-19-Volume 1	
AD-366700 5	XRD-20-Volume 2	AD-366705
AD-376028L-	XRD-4	
AD-366694✓	XRD-1	
AD-473912✓	XRD-193	
AD-473891-	XRD-171	
AD-473899✓	XRD-163	
AD-473887✓	XRD-166	
AD-473888-	XRD-167	ST-A 28 JAN 80 made target
AD-473889✓	XRD-168	

TRC

10 April 1997

SUBJECT: Declassification of Reports

AD-B197749	XRD-174
AD-473905✓	XRD-182
AD-366719✓	XRD-33 Volume 4
AD-366700✓	XRD-10
AD-366712✓	XRD-25 Volume 1
AD-376827L✓	XRD-75
AD-366756✓	XRD-73
AD-366757✓	XRD-74
AD-366755✓	XRD-72
AD-366754✓	XRD-71
AD-366710✓	XRD-23 Volume 1
AD-366711✓	XRD-24 Volume 2
AD-366753✓	XRD-70
AD-366749✓	XRD-66
AD-366701✓	XRD-11
AD-366745✓	XRD-62.

All of the cited reports are now **approved for public release; distribution statement "A" applies.**

Arndith Jarrett
ARDITH JARRETT
Chief, Technical Resource Center

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R.W